

19990614.qrp v01_n488.qrl.990614

Date: Mon, 14 Jun 1999 19:19:02 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1488

QRP-L Digest 1488

Topics covered in this issue include:

- 1) [42637] QRP DX with Indoor Antennas? You bet!(long)
by David Gauding <david.gauding@bbs.galilei.com>
- 2) [42638] w1rfi
by Scott Howell <whowell@hq.nasa.gov>
- 3) [42639] 4X1KS QSL info please
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 4) [42640] SST on 16v
by "Jim Nestor" <nestoji@home.com>
- 5) [42641] Capilano's DesignWorks Lite...
by Mighty Mik <mitymik@hooked.net>
- 6) [42642] Dipmeter add-on for the MFJ-249/259
by Joe Everhart <n2cx@voicenet.com>
- 7) [42643] Re: Cuddly CW!
by herr@ridgecrest.ca.us (Michael Herr)
- 8) [42644] HamCom Day 2 - Saturday
by "Chuck Adams K5F0" <adams@ticnet.com>
- 9) [42645] Re: Cuddly CW!
by "Richard Brummer" <obvious@bestweb.net>
- 10) [42646] Re: [Dipmeter add-on for the MFJ-249/259]
by Roy Lincoln <wa4dou@usa.net>
- 11) [42647] Driving in 8ft copper-clad ground rods....
by "Rod Cerkoney" <rcw@frii.com>
- 12) [42648] Houston Hounds Team members
by "Chuck Adams K5F0" <adams@ticnet.com>
- 13) [42649] Dr. Megacyale at HamComm
by "James R. Duffey" <jamesd1@flash.net>
- 14) [42650] Anyone Worked an E4 ??
by malman@world.std.com (Joel Malman)
- 15) [42651] =?Windows-1252?Q?QRP=92ers_Had_a_BIG_Signal_at_HAMCOM?=
by "Joe Spencer" <KK5NA@quadj.com>
- 16) [42652] RE: [Antennas] Vertical Ground Plane
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 17) [42653] Power supply
by Robert P Engelman <rengelwb8uoj@juno.com>
- 18) [42654] HAMCOM
by Oscar A Hoyt <k5ubs@juno.com>
- 19) [42655] Web site search

by "Ian C. Purdie" <purdic@integritynet.com.au>

20) [42656] Re: Updated Field Day Listings & words to the wise
by Bob Kellogg <ae4ic@nr.infi.net>

21) [42657] Updated NOGA Web Page, info on Field Day and cool photos of Field Days past
by Michael C Boatright <ko4wx@mindspring.com>

22) [42658] FS: Complete Ten-Tec 580 Delta Station
by Dave Redfearn <n4elm@texoma.net>

23) [42659] AL7FS gets surprised
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>

24) [42660] 4:1 Balun Question
by Bill B Lazure <n2tpa@juno.com>

25) [42661] Re: antenna recommendations?
by "David Reid" <dareid@Synopsys.COM>

26) [42662] Ant Switches: Daiwa, Alpha Delta or MFJ?
by "Kevin F. Glynn" <kfglynn@prodigy.net>

27) [42663] Re: Antenna Recommdtns -- mobile home
by wd8civ@att.net

28) [42664] Re: 4:1 Balun Question
by Zack Lau <zlau@arrl.org>

29) [42665] Re: Interesting Design Shareware
by wd8civ@att.net

30) [42666] Re: Ant Switches: Daiwa, Alpha Delta or MFJ?
by "Rod Cerkoney" <rcw@frii.com>

31) [42667] Goodyear Hamfest
by Wayne A Smith <k8ff@juno.com>

32) [42668] Re: HamCom Day 2 - Saturday
by Bruce Rattray <rattray@gpfn.sk.ca>

33) [42669] MPEG Audio?
by Philip Karras <ke3fl@yahoo.com>

34) [42670] MPEG AUDIO, again.
by Philip Karras <ke3fl@yahoo.com>

35) [42671] Re:AL7FS thought on CW speed and courtesy.
by sholisky@ktca.org (Scott Holisky)

36) [42672] WM-20
by Jeff Gold <JGold@tntech.edu>

37) [42673] SG2020
by Jeff Gold <JGold@tntech.edu>

38) [42674] Re: Ant Switches: Daiwa, Alpha Delta or MFJ?
by "Dan Hogan" <dhhogan@nav.cnchost.com>

39) [42675] RE: 4:1 Balun Question
by "Tracy" <tracy@bytemark.com>

40) [42676] QRP SSB nets ?
by gary.threlfall@littlewoods.co.uk

41) [42677] Going mobile!
by tom whalen <wb5qyt@eFortress.com>

42) [42678] Re: w1rfi
by "Ed Hare, W1RFI" <w1rfi@arrl.net>

- 43) [42679] Re: Antenna Recommdtns -- mobile home
by "Steven Weber" <kd1jv@moose.ncia.net>
- 44) [42680] Re: Power supply
by "Steven Weber" <kd1jv@moose.ncia.net>
- 45) [42681] RE: Cuddly CW!
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 46) [42682] 2N2/40 POPs and a Few Other Thoughts
by Theodore Wong <wong_th@eng.printronix.com>
- 47) [42683] CALLING FREQS
by ARDUJENSKI@aol.com
- 48) [42684] Portland QRP Field Day
by Neal Sacon <nsacon@hotmail.com>
- 49) [42685] 2N2 Completion Certificates
by PDouglas12@aol.com
- 50) [42686] Re Tuna Tin QSO
by Joseph Mikuckis <k3chp@erols.com>
- 51) [42687] QRP Fun On Six Meters
by Joseph Mikuckis <k3chp@erols.com>
- 52) [42688] FS: Red Hot NC20
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 53) [42689] Still milliwatting
by Jim Hale <kj5tf@yahoo.com>
- 54) [42690] Re: NON-QRP .. GPS info
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 55) [42691] Re: Cuddly CW!
by "Francis Callahan" <colcal@srv.net>
- 56) [42692] Re: CALLING FREQS
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 57) [42693] Red Hot Radio in NY
by "Buck, Preston D" <BuckPD@corning.com>
- 58) [42694] Happy Dance!
by Jeff Davis <jeff@jehosophat.com>
- 59) [42695] RE: Laser QRP (might be dupe msg)
by Dave Barrett <DBarrett@creo.com>
- 60) [42696] Re: CALLING FREQS
by ARDUJENSKI@aol.com
- 61) [42697] RE: CALLING FREQS
by "Ed Tanton" <n4xy@att.net>
- 62) [42698] Re: Laser QRP (might be dupe msg)
by Bruce Muscolino <w6toy@erols.com>
- 63) [42699] Questions
by notajock@juno.com
- 64) [42700] Re: cuddley cw
by ac5ez@webtv.net (Larry B)
- 65) [42701] Re: QRP Fun On Six Meters
by "Chuck Carpenter" <w5usj@globeco.net>
- 66) [42702] OHR WM-2
by "Art Neilson, KH7PZ" <art@hawaii.rr.com>

- 67) [42703] HamCom
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 68) [42704] Re: CALLING FREQS
by Bruce Rattray <rattray@gpfn.sk.ca>
- 69) [42705] Inexpensive Solar Setup
by "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>
- 70) [42706] Re: Indoor antennas
by Alan Adelman <aadelma@yahoo.com>
- 71) [42707] Re: OHR WM-2
by "Art Neilson, KH7PZ" <art@hawaii.rr.com>
- 72) [42708] The "Calling Frequency" Problem
by Bill Jones <kd7s@psnw.com>
- 73) [42709] SG-2020
by GenoNR0NR@aol.com
- 74) [42710] Re: 2N2/40 POPs and a Few Other Thoughts
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 75) [42711] Re: The "Calling Frequency" Problem
by James Skalski <jskalski@localnet.com>
- 76) [42712] Re: 2N2 Completion Certificates
by "Chuck Adams K5F0" <adams@ticnet.com>
- 77) [42713] Re: QRP Fun On Six Meters
by K2UD@aol.com
- 78) [42714] Dan's 2N2/40 kit
by wd8civ@att.net
- 79) [42715] HamCom Report from KI6DS, LONG
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 80) [42716] Oops
by wd8civ@att.net
- 81) [42717] Doug Hendricks taking Sabbatical
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 82) [42718] Reprint of Winter 1998 QRPp??
by James P Rybak <jrybak@mesastate.edu>
- 83) [42719] An Observation on Nature.....
by KB90CE@aol.com
- 84) [42720] WTB: Ten Tec VFO Model 242
by "Tim Cook" <timcook@erinet.com>
- 85) [42721] RE: Ant Switches: Daiwa, Alpha Delta or MFJ?
by "Paul Norman Craig, Jr." <n3ysi@easy-pages.com>
- 86) [42722] DAFFY or WWW.QRPL.COM [long]
by "Chuck Adams K5F0" <adams@ticnet.com>
- 87) [42723] Happy Dance!
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 88) [42724] Six Meter QRP
by "Bryan Turner" <turnerw@email.uah.edu>

Date: Sun, 13 Jun 1999 18:23:58 -0500

From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [42637] QRP DX with Indoor Antennas? You bet!(long)
Message-ID: <1.5.4.32.19990613232358.0099a900@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Absolutely! I've done it (DXCC/QRP, WAS/QRP, WAS/QRP X QRP) with an indoor antenna farm. I quit chasing DX in 1989 after tiring of the time and expenses for the QSL game. Besides, I had reached my goal by then and a little more. There were 104 countries (CW) in the log on QRP with attic anennas. And, there were around 145 logged (mixed) using up to 50W. I started with a Century 21, then an Argo 505, Argosy and finally an Argosy II.

All countries were logged indoors on an "Aluminum Cloud Antenna". It was published in the August 1987 issue of 73 Magazine when I had 50-60 countries worked. The final DXCC total was nice but I'm more pleased with the WAS/QRP x QRP effort. I had 49 logged by 1990. It took until a couple of years ago to get the last state (ND, what else!) logged! <g>

The "ACA" is similar to the indoor antenna N0RC described in his recent QRP-L posting but with a special feature to be described a little farther along. Mounted in an attic and viewed from above my center-fed doublet looks like the letter "Z" but with the arms folded back twice upon themselves. The center section takes advantage of the diagonal dimension. Fortunately, this has always been about 35' long in my townhouse attics.

Fed with twinlead, classic G5RV measurements work just fine for 10-80M. One problem! The twinlead is part of the antenna and it radiates. This may generate TVI for non-cable uses. The solution for that problem is to use coax or alternatively a shielded-balanced feedline. One can be fabricated from two identical lengths of coax (any impedance). I prefer quad-shielded RG-6 (usually available gratis from cable providers) or twinax.

Both of these feedline altervatives are very quiet! This is a big plus in locations where vertically-polarized man-made noise is always present, i.e. apartments, co-op's, condos, etc. Don't think so? Compare the next time there is a power outage! However, using an unbalanced or shielded feedline means the flat top of the antenna will have to be longer to work effectively on the lowest frequency of interest. That means about 133' for a half-wave radiator to cover 80M well instead of the convenient 102' flat-top of the G5RV design.

The main radiating section of the ACA is fabricated from 18" width heavy-duty aluminum foil kitchen foil. In my installations this section has always been 16.5' either side of center or 33'. Notably, this at the

high-current point. The big secret is to reinforce the foil so it can be transported to the attic and then finally installed in the attic. This is done by adding masking tape strips vertically every 12".

Reinforcing is also added along the bottom edge. The top reinforcement is treated a little differently. That edge is first folded over a mounting line (no-stretch braided nylon fishing line is best) prior to being reinforced with masking tape. Add extra tape reinforcement where the line enters/exits the foil.

The completed antenna can be rolled into two loose coils and hand-carried into the attic. There's almost no weight involved so uncoiling the center section and installing as a shallow inverted-vee (for maximum feedpoint height) is not difficult. The radiator is extended with clip-on wires to complete the exaggerated "Z" configuration. The feedline is attached with alligator clips.

The aluminum foil sections will overlap when installed as an inverted-vee. This can be overcome by folding it back and out of the way at the feedpoint. Or, simply trim in place after measuring carefully so both cuts are the same. Better yet, take this into account during fabrication.

We finally bought a real house last year so I was a bona-fide "cliffdweller" for the first 19 years of my ham career. I can tell you with that if there was a homebrew indoor antenna design out there, I have probably tried it at least once. However, I've always come back to the "ACA". It has worked the best for me even though it is my own design. For the record, the peak of the antenna in four separate townhouses was never higher than 30'.

My last ACA was modified in 1996 by replacing the aluminum foil with woven aluminum gutter guard. I believe the foil still works a little better but the more substantial gutter guard was easier to fabricate and install. I stayed with the replacement until we moved and left it behind for the new owner to use with an FM stereo tuner. She loves it!

Crawling around in an attic with open rafters ceases to be fun after you have done it a few times too many! Gee, it was a lot easier when I was age 36! In those days I would swap attic antennas regularly trying new things. Consequently, I'm going to refrain from my traditional build-before-you-bitch qualifier this one time! <g>

The ACA requires a tuner. Therefore, I have absolutely no idea where the doublet is resonant and frankly don't even care! <g> The antenna offers a lot of capture area and the additional capacitance helps it load easily on any band from 10M to 80M. Out-of-pocket costs are insignificant for builders with a balanced-line tuner already on hand and some extra twinlead.

I worked most of my DX on 20M followed by 15M and then 30M. I never worked on 10M because of TVI problems when using a twinlead feedline. DX on 40M was pretty rare on 5W, possible with higher powers but usually a battle anywhere outside of the Carribean.

The first ACA was used during a period of intense milliwatting. That provided ARCI wallpaper for 1st Place on 20M (running 900 milliwatts) in the 1988 Spring QSO Party. I learned after the fact the score was a record on 20M and stood for several years. Somewhat later realized that I was probably running closer to a half-watt! Makes one think twice about the actual capabilities of indoor antenna farms! So either operate or worry about the antenna! Pick one! <g>

And, a little cliffdweller humor! My friend W0VM (call recently re-issued) passed away in 1987. I took his old TS-520 home to make it presentable for an estate sale. I thought it might interesting to try 160M for the first time. A CW station came right back to what I'm guessing now was a thirty-watt CQ. He was in North Carolina which is a pretty fair distance from St. Louis! The subject of antennas finally came up and this fellow just wouldn't believe that I was running an indoor antenna on one-sixty!

He finally went QRT real fast and that was that! Ten minutes later (at 10:00 p.m. no less) the phone rang and it was my previous contact. He confessed to having a really bad day and apologized for poorly chosen words before going QRT. We had a nice chat and I count this as one of my more memorable QSO's. I'm not saying you'll work Top Band on a standard ACA but it's worth a try.

I hope my experiences with this particular indoor antenna design will inspire other cliffdwellers. If not an ACA put up a regular center-fed doublet or feed something against ground (slinky, window screen, door frame, etc.) and go for it. In any case, all is not lost. You can still enjoy the hobby as much as the next guy but in a different way.

Not a cliffdweller today? Well, you might be one day. Think retirement and think divorce! <g> But, giving up that big 'ol beam at 50' or that extended double-zepp might not be as bad as you might think..... in db's!

Which gets me to the end of the page. Attitude is everything when it comes to indoor antennas. Once you realize that it's a case of go-with-what-you-got everything usually falls into perspective. Good luck!

Best regards,

de Dave, NF0R nf0r@slacc.com

Date: Fri, 11 Jun 1999 22:45:42 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@lehigh.edu
Subject: [42638] w1rfi
Message-ID: <3.0.5.32.19990611224542.007e5100@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

got that guy tonight. Ay Ed, you didn't hear me well at 2:42 Z, but was calling you to say your a 559 into MD.
don't think you heard me well. Was running 1 watt into the attic dipole. Too much to ask for. I was running 5 earlier. Your doing well.

72 de Scott/n3byy

Date: Sun, 13 Jun 1999 19:41:35 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <qrp-1@Lehigh.EDU>
Subject: [42639] 4X1KS QSL info please
Message-ID: <199906132345.TAA115658@pimout3-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ed and gang,

4X1KS' QSL Manager is NF4W.

I worked Mark last month on 15M SSB. He called for QRP stations, and I was gearing up for the contact. He heard something in the noise that night,

but couldn't make me out. I went up a few watts and made the contact through the pile-up.

PS.. the manager sent the card back in my SASE pronto.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Sun, 13 Jun 1999 19:59:03 -0400
From: "Jim Nestor" <nestoji@home.com>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [42640] SST on 16v
Message-ID: <00a101beb5f8\$b6d853e0\$5c500218@cc652944-a.ewndsr1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks guys for the quick responses. Several of you produced the obvious solution (so obvious I didn't think of it) to put 1 or more silicon diodes in series with the IBM supply's 16.36v to drop it safely below 16v. I'll probably use 2 or 3 to be safe since the European 240v may vary a bit.

I'll build it into a small box (Altoids tin) with a coaxial jack and a short cable & plug to the SST. There should also be enough room in the box for a simple LED SWR meter. Then I can leave the Autek at home. It's as big as the SST.

Tnx & 72,

Jim, WK8G
nestoji@home.com

Date: Sun, 13 Jun 1999 17:45:17 -0700
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [42641] Capilano's DesignWorks Lite...
Message-ID: <3764509D.ECF8A99D@hooked.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-

creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

BTW...Mac users can also get in on this. PPC and iMac supported.

--

@@
72/73 de Mick, WD8MNV/6 QRP-L #1673 QRP-C #118 ZOMBIE #441
NC20 SWL40+ ZM-2 DSP-3 rocket scientist and a 6 meter wanna be.
Aeropac #111 Tripoli #3071 Level 2

Date: Sun, 13 Jun 1999 20:46:09 -0400
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Subject: [42642] Dipmeter add-on for the MFJ-249/259
Message-ID: <199906140046.UAA39902@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Group,

Among the cricuits on the G3YCC web page is one attributed to
Rev Dobbs, G3RJV for a dipmeter add-on for the aforementioned
MFJ antenna analyzers. I built one up per the 'YCC info last night
and get absolutely no response!

Has anyone else been able to get it to work?

I also recall an article in QST(?) several years back for such an
attachment. Now I *know* it is in my back issue pile, but I risk
catastrophe if I disturb that mountain of paper. Anybody had
experience with that?

72/73,

Joe E., N2CX

Date: Sun, 13 Jun 1999 17:54:28 -0700 (PDT)
From: herr@ridgecrest.ca.us (Michael Herr)
To: qrp-l@lehigh.edu, victnr@juno.com

Subject: [42643] Re: Cuddly CW!
Message-ID: <v01530501b3899393741c@[208.138.142.176]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wow, do I remember Battery Street FCC! Went there as a scared 14 year old in 1971 to take the General. The great temple of the FCC! My self and an older gentleman (must have been an ancient 25) had studied for weeks with a retired martime CW op. When we went down I was impressed with the audio amp for the code machine, type 80 tubes if I remember right. Passed the code and the written. My companion froze at the sight of the code test and never went in. I found out later he had done that a couple times before and it would be several year later until he actually passed the test.

73

Mike WA6ARA

>
>Alan:
> I also ran the gauntlet of the cw test in that Battery St. FCC office
>in the early 70's. I remember the high wooden table and chairs with the
>straight keys screwed to the top of the table. A friend of mine brought
>....
>the practice v's I went down th SF with a bunch of guys who only went
>for their radiotelephone exams. It was a quiet ride home!. Thanks, Alan
>for a Ham memory.
>
>Vic Turner/WA6EIW
>

Date: Sun, 13 Jun 1999 19:57:17 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [42644] HamCom Day 2 - Saturday
Message-ID: <E10tJyh-0005Hf-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

Day 2 started with the QRP Forum.

Joe Spencer, KK5NA, got things started on time at 9am with about 30minutes of introductions to some of the people present and the schedule.

Jim Stafford, W4Q0, from Atlanta presented Awards to the team for the NorCal 20 for their contribution to the QRP world.

The Houston Hounds, winners of the 1998-1999 Foxhunt, were the winners of a trophy donated to the cause and I apologize that I didn't take a note as to who donated the prize. Will they please step forward and take a bow. It is greatly appreciated.

First speaker was the Reverend George Dobbs, G3JRV. He gives an excellent talk on construction techniques and show some of his work over the years. And his sense of humor has to be seen and heard. He keeps the audience entertained as well as informed.

Next was Doug Hendricks, KI6DS, with his talk on rig evaluations and comparisons. He gave out a handout showing the results of hours of research on the Internet and accumulation of email, etc..... Well done. I know that some have asked that he put it on a web page, but you have to hear it more than see it. He passed around some of the rigs for the audience to see. This is an important part of educating people on the rigs as pictures don't do the rigs justice. Just wait until you see the case for the Small Wonder Labs DSW-XX rig from NN1G. It is truly compact and beautiful.

Stu, K5KVH, from Austin was the winner of the NC20 drawing. We all think that it is funny that the entries were put into his hat and Barbara Spencer drew out HIS name.... :-)

After Doug's talk was the CW copying contest. But let me stop here and make a comment and an apology. After Doug's talk there was chaos as the audience got up and started mingling and time was spent in getting the rigs back to Doug, etc. This caused a significant hiccup in the schedule... It took almost 20+ minutes to regain control, get the power problem solved due to a cord being kicked out of a wall socket etc.

I got the CW copying test done in 30 minutes from 15wpm to 55wpm. I'll post the results separately. Those of you who think that

young people are not doing anything have a surprise coming... :-)
The winner was a 16 year old kid at more than 45wpm handwritten....
This kid can do 80wpm on RUFZ.... More later. If he is not a
QRPer then we need to do some serious recruiting as I know that
any contest club would take him in a New York minute.

Paul Harden, NA5N, got a late start on his talk. There was
an error in the program schedule on the title of his talk. He
had the slides and information on the Desert Ratt 3 Regen receiver.
He, unfortunately, did not to complete his talk as we were run out
of the room due to another group scheduled for it. The schedule
showed Propagation, which he gave last year, and this probably
confused some people who wanted to hear that.

I know (as I just found out today on Sunday) that Paul spent more
than \$300 of his own money to get to Dallas. In the past I sponsored
both Paul and Doug to come to Dallas. I will personally see that he
gets most if not all his money back. There was no excuse for what
happened to him and I apologize. I would have given up the slot
to hear his talk and he had some important inner information.
I will take contributions and I do not want an static from Paul on
this one. Please. :-)

If he is to give the same talk at Tuthill (which I hope he will),
then the schedulers should give him the first slot and all the time
he wants..... This is too important to let drop in the cracks....
IMHO. My two cents worth. I am building a Ratt for Tuthill since
due to other preps for HamCom prevented me from doing nothing more
than just getting the parts together. I could have used the hints
that he was in the process of giving. Heck, give him 1.5hrs. He
can use it.....

I spent some time at the QRP table chatting with people and talking
to them about their experiences and interests. This hobby is getting
both old timers and newbies excited in the area of QRP. The real
work of building your own rig and experimenting and the challenge of
operating at low power levels gets people excited. They don't want
to be appliance operators. They do want to learn and it's our job
to Mentor them along and make the path easier.

I bought two books from MFJ and will review them in the next few days.
I saved a lot of money by not getting to all the swap areas. :-)

A group of 25 walked from the Marriott Courtyard to the restaurant
for dinner. I can't spell it gang. Cajun restaurant and it starts
with an A and I can say it. :-) Achafalya????

Then after 7pm the crowd gathered in Room B and the fun began non-stop

until almost midnight.

An award was given to Paul Harden, NA5N, for his induction into the QRP Hall of Fame. An award that is well deserved and to someone who has done so much in the last 5-6 years to contribute to QRP-L, NorCal, and other clubs and groups worldwide. Congratulations Paul and our thanks for all you have done and continue to do to make us all more knowledgeable in this important hobby.

You have to see KD7S, Bill Jones, regen receiver. It should be on a calendar and the cover of QST. Hopefully Bill will take this opportunity to do a writeup on it and all the work that went into it. It was an easy decision for the judges and I am thankful that I didn't have to help judge this contest. I hope he does it in QST to get worldwide coverage for himself and get people interested in building again.

Mike Gipe, K1MG, made his case and even milled the front panel and knobs (his first attempt at machining) and it is a beauty. I'm sure that all the rigs will be featured on web pages worldwide soon..... I lost track of all the names and calls and Doug Hendricks, KI6DS, took notes and will post. I won't even attempt to do so.

It was a long day, but fun filled and information packed with lots of old and new friends, new friends that are old and old friends that are new.....

I did not make the convention center on Sunday. Made a trip to the hotel to give Jim Kortge, K8IQY, and Jay Bromley, W5JAY, a ride to the K5FO QTH to see the mystery shelves. :-) These two guys are very very sharp and enthusiastic about the hobby. I don't need to list their accomplishments and contributions. The list grows daily. Watch for more from these guys and those who follow in their lead.

Jim K. had brought both #1 and #3 of the 2N22/40 rigs and his 6M converter to Dallas. All works of art and engineering. Preston Douglas, WV2J, is making certificates for each 2N22/40 that is built and makes a contact, so watch as the serial numbers grow. If I think of it and if Preston feeds me the data I will keep a list on my web page. All the people (and I hope it is in the hundreds) that build this rig can take pride in an accomplishment that few will experience and enjoy. Oh, Preston has #2 of the 2N22/40 rigs as those who have seen the latest issue of QRPp know. The certificates are beautiful and well done.

I suggested to Doug, KI6DS, that a W7EL Building Contest be done at Pacificon in 2000. You build a W7EL rig and bring it or mail it in

for judging. Several groups of entries. More to follow after this years Pacificon. Don't start yet. Do the 2N22/40 first.

Next year, 2000, we all need to get together an get a design contest and/or building contest going for a Millennium rig for QRP-L. And 2,000 of the group has to build it. :-)

Phyllis and I enjoyed their company at lunch and I then took Jim to the airport and Jay back to his car at the airport.

The weekend went by so fast. You become somewhat sad that it's over but glad that you went through the experiences. Each day we all learn something new and interesting. You sit down and take notes and make sure that what you learned gets into the next project or two. The excitement is contagious.

To all that got to experience HamCom '99 a thank you for attending and for those that did not you must get out more and get to these meetings. There are no words that can describe what all that goes on and the excitement of just being there. It is non-stop fun. Thanks to those that put it all together and did all the hard work. Joe and Barb Spencer, Doc Drake, and the others did a lot of work to get things together this year.

I probably left out a bunch of stuff and names and calls and made too many errors and I apologize for omissions and errors in advance. There was just too much to remember and there was no time to take notes. If you blinked you missed too much.

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Sun, 13 Jun 1999 21:14:11 -0400
From: "Richard Brummer" <obvious@bestweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.edu>
Subject: [42645] Re: Cuddly CW!
Message-ID: <00c401beb603\$36a6a2c0\$6a05b3d8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Reminds me of the Federal Building on Washington Street in downtown

Manhattan, before they moved to West Houston Street.

Sounds like it struck fear into the hearts of many -- not only radio amateurs !

73,
Dick K2REB

Date: 13 Jun 99 21:38:54 EDT
From: Roy Lincoln <wa4dou@usa.net>
To: n2cx@voicenet.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42646] Re: [Dipmeter add-on for the MFJ-249/259]
Message-ID: <19990614013854.2708.qmail@nwcst294.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Joe Everhart <n2cx@voicenet.com> wrote:
Group,

Among the cricuits on the G3YCC web page is one attributed to Rev Dobbs, G3RJV for a dipmeter add-on for the aforementioned MFJ antenna analyzers. I built one up per the 'YCC info last night and get absolutely no response!

Has anyone else been able to get it to work?

-----=
-Hi

Joe and Gang,

Back several months ago i was building some traps in the 10-30 mhz. ran=ge

and needed to use my MFJ-259 as a dip meter.I have the dipmeter coils but=

didn't know where they were at the time. I grabbed some 14 guage wire and=made

a self supporting 5 or 6 turn loop about 1/2" or so in diameter and with =leads

of 2 or 3 " long, soldered on a PL-259 connector. Worked just fine for th=e

frequency range i was interested in at that moment. You'll find the dip i=s

rather shallow and sharp so tune carefully and slowly. You may need more coupling to the circuit you're trying to check out. The dip will not be a=

S

pronounced as you may be used to with a real dip meter.

Hope this may help. 73 Roy Lincoln WA4DOU

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=3D=1>

Date: Sun, 13 Jun 1999 19:46:19 -0600
From: "Rod Cerkoney" <rlwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42647] Driving in 8ft copper-clad ground rods....
Message-ID: <000d01beb607\$b6a8e1a0\$2a8711d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks:

Here is a tip, passed to me by an electrician way back...

Drive the rod in 6-12 in, then pour a glass of water along the rod into the hole. Drive the rod in another 6-12in, pour in another glass of water...continue until you've got the rod in as far as you like.

Using this process, I sunk a 8ft ground rod here at the new QTH in about 10min, with "QRP" hammer power, and almost no flaring of the struck end! (The ground in CO does not like stuff pounded into it. Very hard clay, sometimes rocky, that resists puncture wounds. ;-)

OQRPP: With the ground installed, I tried my attic ant today. Worked VE2KN in Montreal @ 349 on 20m, and N0SK, Cedar Ridge, CO (western CO) @ 569 on 40m. I was running 3-5 watts. Motto here, don't let a bad QTH get the best of you.

72/3, Rod, N0RC

Date: Sun, 13 Jun 1999 21:10:29 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>

To: qrp-1@lehigh.edu
Subject: [42648] Houston Hounds Team members
Message-ID: <E10tL7X-0002k0-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

I did have the list of the team and forgot
to include them on the HamCom posting.

Houston Hounds located in Houston, TX or close

K5ZTY Bill Stietenroth
W5SB Bill Denton
KQ5U Terry Meyers
KK5LD Jim Clarkk

Good job guys and next year you have to do it
with 0.100W. TOTAL. :-)

dit dit

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Sun, 13 Jun 1999 20:11:41 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [42649] Dr. M egacyale at HamComm
Message-ID: <199906140212.VAA24516@mailgw.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

All - I had a great time at HamComm over the weeeekend. The QRP forum was
excellent as usual. Doug's talk with the candid comments on which QRP rigs
are the "best buy" was excellent. The Reverend Dobbs was captivating as
usual. How can there be any sinners left in England??

I took a stab at Chuck's CW test. 25 WpM was doable, but not perfect, and

after that I fell apart. A 16 year old, N5SN, (?? help on this Chuck) copied 50 WpM to put all us old timers to shame. There is new blood in the hobby after all.

I never got used to the heat and humidity. This confirms Kerouac's suspicions that Texas is inhabitable. The flea market was interesting, but I did not find anything worth buying unless you consider a PL-68 plug for an old WRL-80/40 and an 11 pin octal (how is that for an oxymoron??) plug, for my SB-110A's DC power supply as must haves.

The evening outing to Papadeux's, a local cajun place, was fine, but the portions were too large. The regen contest had a large number of entries varying from elementary to sophisticated. The judges had a hard time deciding on a winner. In the end packaging seemed to take the prizes. Electrically there was not much difference. Mike Gipe's desert motif was particualrly attractive.

I met many of the southern QRPers. It was nice to put faces with names.

Travel arrangements were troublesome, but things worked out. See you at Tuthill and PacificComm? - Dr. Megacycle KK6MC/5

Date: Sun, 13 Jun 1999 22:17:55 -0400 (EDT)
From: malman@world.std.com (Joel Malman)
To: qrp-l@Lehigh.EDU
Subject: [42650] Anyone Worked an E4 ??
Message-ID: <199906140217.AA29601@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks,

Has anyone on the list worked the new E4 call area yet? Via QRP, of course!
Is the ARRL outgoing QSL service accepting E4 cards?

--
/joel K1QM Concord, MA
QRP-L 337, QRP-ARCI 9305

Date: Sun, 13 Jun 1999 21:30:00 -0500
From: "Joe Spencer" <KK5NA@quadj.com>

To: "Qrp-L" <qrp-l@Lehigh.EDU>
Subject: [42651] =?Windows-1252?Q?QRP=92ers_Had_a_BIG_Signal_at_HAMCOM?=
Message-ID: <000c01beb60d\$cf46b420\$a5d132ce@vectra>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Another HamCom has come and gone and man was it great. QRP ers had four tables FULL of stuff for sale and for free. We had hams lining the tables to talk about QRP and pick up a goodie or two. QRP-ARCI, G-QRP, NorCal, NORTEX, and the RACC were all well represented. Many of the seminars were standing room only (we had seating for 150). The organizers are already planning to give us a bigger room next year. Many, many thanks to our guest speakers, Rev. George Dobbs, Doug Hendricks, Paul Hardin, and Chuck Adams. It was great meeting Rev. George Dobbs, G3RJV, Graham Firth, G3MFJ, and Tony Fishpool, G4WIF, from the G-QRP. It was good to see old friends and make new ones. We met many of the people who's posts we have been reading on QRP-L for a long time, and it was nice to be able to put faces with names and will make reading the list even more fun in the future.

Friday evening a large group of QRP ers and some of their spouses met for dinner at Bodacious BBQ (this is where NORTEX holds its monthly meeting). The room seats 75 and it was full.

The Regen building contest on Saturday evening was also a big draw with more than half a dozen entries and 70+ hams to look at the rigs, socialize and operate a bit. (We got a chance to operate a K2, using WBL V22 paddles into one of Vern's SLVs).

Jim Stafford, W4Q0, Vice President of the QRP-ARCI, presented Paul Harden with his QRP Hall of Fame plaque. We then had a total of 5 Hall of Famers, Chuck Adams, K5FO, Jim Cates, WA5GER, George Dobbs, G3RJV, Paul Harden, NA5N, and Doug Hendricks, KI6DS.

Keep watching for more post-HAMCOM posts and we hope even more QRP ers will put HAMCOM on their list of things to do next June.

All in All we had a great time and sincerely thank all who attended and helped out.

Joe, KK5NA and Barbara, KK5QA

To run from your demon is to have him pursue you.

It is better to meet him in his world, than to face him in yours!

Visit the RACC QRP Home Page at <http://www.k5rac.org>
Visit the FISTS Web page at <http://www.FISTS.org>
Visit NORTEX QRP Home PAGE at <http://www.quadj.com/nortex.htm>

Date: Sun, 13 Jun 1999 21:30:59 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Ralph Stenerson'" <ralphe@uscom.com>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [42652] RE: [Antennas] Vertical Ground Plane
Message-ID: <000101beb60d\$f1111050\$bd3ec6d8@wb5rue>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Trim 1" or so at a time. You might also try changing the angle between the vertical radiator and the radials. Also, you would get a more balanced radiation pattern if you had 3 radials instead of two. As an alternative to trimming you can strip all the insulation from the 22" that you theoretically have to trim and then fold the antenna back on itself a couple of inches at a time. In other words take two inches, fold it back and make a small loop. This in effect shortens the antenna. When you get to the right length you can either cut the wire or just leave it looped back.

Kevin, WB5RUE

-----Original Message-----

From: owner-antennas@qth.net [mailto:owner-antennas@qth.net] On Behalf Of Ralph Stenerson
Sent: Sunday, June 13, 1999 2:54 PM
To: antennas@qth.net
Subject: [Antennas] Vertical Ground Plane

Maybe somebody could give me some suggestions.

I live in a condo with all of its antenna restrictions included. The fortunate thing is I live in a end unit with a row of tall pine trees parallel to it.

I have installed a 20 meter ground plane antenna in these trees. It is the most camouflaged antenna that you could imagine. I cut the antenna for

14.150 MHz

which includes the two radials. The antenna is about 25' high at the top and the radials are 4' or 5' off the ground. The SWR is about 3.2 : 1 more or less

through out the band. The antenna is resonant at 12.600 MHz (1.3 : 1 SWR). I would like

it to be resonant somewhere around 14.150 MHz. My calculations tell me to remove 22".

keep in mind the vertical insulated wire (12 awg) runs up the trunk of one of the pine trees.

My question is since I only have one shot to trim the antenna do I remove the 22", or should I be more conservative? Also should I trim the radials too? Maybe I should

I leave well enough alone. The antenna works reasonably well now. Had a Ukraine contact last night CW.

Thanks and 73,

Ralph AA3RI

Your Moderator Is: Larry Wilson KE1HZ

Email: owner-antennas@qth.net

Submissions: antennas@qth.net

Date: Sun, 13 Jun 1999 22:23:22 -0700

From: Robert P Engelman <rengelwb8uoj@juno.com>

To: qrp-l@lehigh.EDU

Subject: [42653] Power supply

Message-ID: <19990613.222327.-477767.0.rengelwb8uoj@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hello All !

I have just got my first contact in 6 years on my 624 kits 40 meter QRP

transciever. It took a few months of sending CQs, but someone finally took a minute to recognize my call. W1XL, if you're out there thanks. He told me that my power supply was probably NG, I must have sounded like heck. I know that I can hear a bit of AC "HUM" in the speaker, but wasn't aware that it would cause much trouble. That brings me to my present dilemma. Does any one know where I can get a schematic for a cheap (emphasis on cheap) 12VDC 2 Amp power supply ????. The one I'm using now isn't mine, though it's a "Decitrak", which I thought were supposed to be good. Would like to build a new one with some good regulation. Please don't send me to the internet unless that's the easiest place, I'm using JUNO, and the nearest 'Net access is the library (sic). Thanks to all in advance,

Bob WB8U0J

I may try a car battery in the mean time

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 13 Jun 1999 21:37:01 -0500
From: Oscar A Hoyt <k5ubs@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [42654] HAMCOM
Message-ID: <19990613.213703.10294.0.k5ubs@juno.com>

Repeating someone arlier,..... this was best hamcom ever.
Had to work so couldnt stay for sat. evening happenings.
Met a bunch of great people at the Bar B Q friday night and more saturday..
Ditto what Chuck said about the talks. George was good as was Doug.
But I didnt win the drawing for the Norcal rig but later when I was walking by the QRP tables I heard my name called out, after a few moments I discovered it was a box of parts for the RedHot Norcal 20 calling me. At least that is what I told the XYL when I brought it home. So which do I build first the 2n2/40 or the RedHot? I walked through the new equipment Vender area twice. Seems all the good stuff was at the QRP tables in the flea market area.
Oscar Hoyt, K5UBS, ham since '55, ARRL, QCWA, QRP-L 1733, NORCAL

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 14 Jun 1999 12:55:14 +1000
From: "Ian C. Purdie" <purdic@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42655] Web site search
Message-ID: <37646F12.CBEC990B@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

For those esteemed members among you with a web site to share knowledge with the world you might like to consider:

<http://www.freefind.com>

For FREE they index your site and allow you to add a search facility. Also you get a report available as to keywords which were used e.g.

at 18:30:17 PDT Sun June 13 someone searched "larsen"

Now I know Jim Larsen visited (he told me so) - maybe Jim was checking up on his link on my site. BTW I get over 1,000 hits a month and it's climbing.

If you're not linked contact me.

73's

Ian

Date: Sun, 13 Jun 1999 22:44:32 -0700
From: Bob Kellogg <ae4ic@nr.infi.net>
To: bill@willapabay.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42656] Re: Updated Field Day Listings & words to the wise
Message-ID: <376496C0.3DDAB38A@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bill,

Thank you!!, Thank you, thank you!!!

Bill Todd wrote:

> Heck, I even forgot to turn in
> our Log to the ARRL last year.

I forgot to turn ours in last year, too, but I figured I was the only one that careless!

CUL,

Bob Kellogg, AE4IC, Greensboro, NC
Prolably, not Nececelery, - Benny Hill

Date: Sun, 13 Jun 1999 23:03:26 -0400
From: Michael C Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [42657] Updated NOGA Web Page, info on Field Day and cool photos of Field Days past
Message-ID: <376470FE.7EF8E9C0@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just updated the NOGA web page. New info about our Field Day outing, June 26-27. Even if you can't make the NOGA Field Day, check out the cool photos of Field Day's past. Thanks and hats off to Bob, WA1EDJ...

72 de Mike, K04WX

--

Mike Boatright, K04WX
District EC, GEMA, Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

Date: Sun, 13 Jun 1999 23:05:49 -0500
From: Dave Redfearn <n4elm@texoma.net>
To: qrp-1@lehigh.edu
Subject: [42658] FS: Complete Ten-Tec 580 Delta Station
Message-ID: <37647F9D.C4A7D975@texoma.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For Sale:

Ten Tec 580 Delta HF transceiver
160 - 10 Meters, with WARC bands
Approx. 100 watts output - SSB/CW,
power can be turned down to around 1 watt.
Red LED Digital frequency display.
Audio CW filter, RIT, Notch filter, VOX
With optional Noise Blanker and 500 Hz CW crystal filter.
With 283 Remote VFO and 280 power supply.
With manual.

This is a complete 580 with all options.
All equipment is in good condition, slight scratches on cases, front
panels clean.
Radio has not been used much for several years, stored on shelf as a
backup radio.
All has been recently checked out for basic operation.
Both PT0s are smooth, no slippage.

\$500.00 OBO + shipping

Ten-Tec 255 power Supply

12 - 13 vDC, 18-20 Amps.
AMP meter on front,
Speaker on front.
No manual.

\$80.00 + shipping.

--

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKtexoma.net (to reply, remove NOJUNK)

QRL? de N4ELM/qrp

Date: Sun, 13 Jun 1999 22:02:42 -0800
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [42659] AL7FS gets surprised
Message-ID: <37649B02.42232D4B@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings from Alaska.

I was following my routine and checking the bands around 0300Z tonight and was surprised to copy a W3 around 14.061. I tuned a bit higher and there was WB0WQH, Kelly, in Aurora, MO calling CQ. I think it may be a good idea to make some noise instead of just tuning around. The band may just be open.

Thanks, Kelly. Your Sierra and two watts did a fine job.

--

73, Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska
<mailto:al7fs@qsl.net>

Date: Mon, 14 Jun 1999 03:32:17 -0400
From: Bill B Lazure <n2tpa@juno.com>
To: QRP-L@Lehigh.EDU
Subject: [42660] 4:1 Balun Question
Message-ID: <19990614.035301.7118.1.N2TPA@juno.com>

Antenna Gurus,

I've been playing with an antenna for a few weeks that has approximately 13 ohms at the feedpoint. I built some 4:1 toroidal baluns to match these antennas to 50 ohm feedline.

At lower freqs, up to 20 meters, these work fine. As the frequency rises above that, they show higher and higher reactance; rising to the point that at 10 meters, I can't get lower than a 2:1 SWR.

I assume that either the parallel reactance of the two windings, or the inductive reactance of the core is what's causing this. I simply can't figure out which and what to do about it.

Any ideas?

73,

Bill
W2EB
Syracuse, NY

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Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 14 Jun 1999 11:06:39 +0200
From: "David Reid" <dareid@Synopsys.COM>
To: wd8civ@att.net
Cc: qrp-l@lehigh.edu
Subject: [42661] Re: antenna recommendations?
Message-ID: <199906140906.LAA24788@goofy.gr05.synopsys.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi,
Checkout my 40/80 linear loaded vertical. I think it meets all your
requirements... PS it also tunes up well on 20M...1.6:1 VSWR...

it is on my webpage:
<http://www.qsl.net/pa3hbb/>

under the articles section...

Enjoy.

de Dave
PA3HBB / G0BZF

Date sent: Fri, 11 Jun 1999 15:59:52 +0000
Send reply to: wd8civ@att.net
From: wd8civ@att.net
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: antenna recommendations?
Originally to: qrp-l@lehigh.edu (QRP-L Mailing List)

> Folks,
>
> I have permission from my trailer park landlord to put up
> an antenna for amateur radio use. The basic restrictions
> are:
>
> 1) Antenna shall not be taller than 20 feet, or shall not
> stand higher than 7 feet above the mobile home roof.
>
> 2) Antenna shall be attached to the home, or shall be
> completely contained within the lot.
>
> I'd like to put up a ground-mounted vertical, and I'd
> -really- like to cover 80 and 40 meters. Can anyone
> suggest an antenna design?
>
> Dave, WD8CIV
>

Date: Mon, 14 Jun 1999 06:16:44 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [42662] Ant Switches: Daiwa, Alpha Delta or MFJ?
Message-ID: <199906141030.GAA109134@pimout3-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

I'd like to buy a antenna switch, and am looking at the Alpha Delta, Daiwa and the MFJ models. If you'd used any of these models please let me know what you think and thanks for the help.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Mon, 14 Jun 1999 12:00:09 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)

Subject: [42663] Re: Antenna Recommdtns -- mobile home
Message-ID: <19990614120020.RYVD17001@webmail.worldnet.att.net>

> I'm quite familiar with your situation -- 18 years in a mobile
> home.
>
> With respect to a ground mounted vertical -- forget it. Your trailer
> and the one next door not only will load the vertical, but refocus all
> the r.f. pretty much straight up -- or scatter it everywhere but out.

Ade,

It's not as bad as all that - I'm contemplating putting the
vertical at the back end of the lot, offset from the center.
The lot next to mine is vacant and will remain so (local building
codes require more spacing than can be acommodated there). The
vertical would be ~40 feet from the back of my home, and
nothing beyond that but a tree line and a few miles of
cornfields and apple orchards.

> My solution was a pair of HiGain trap verticals phased for 20-15-10
> (compromise spacing etc.) But such would greatly exceed the landlord's
> 7ft restriction.

I had a Hustler 5BTV a long time ago in a state far away.
(Central Ohio, actually.) DEFINITELY wouldn't meet height
restrictions here.

> My suggestion for starters and cheap -- a Hamstick with a single
> magnetic mount. The guy would have to climb up with a tape-
> measure to see if it exceeds the 7ft height limit. I picked up a
> 20m Hamstick at Dayton for \$15, plus another \$17 for the base.

I've seen the Hamstick mentioned here, but I didn't realize it was
so inexpensive. I'll give it a look.

> In PA, I hadn't had time to mount my SLV, so I backed the car up
> to the basement garage door, ran the coax inside to the operating
> position, and easily nailed a lot of DX the first couple of nights. One

Now that's a possibility - my car parks next to my operating position. I could
mount an antenna on the car and run a cable inside. Just
need to remember to disconnect it before heading in to work.

> The nice thing about either approach is instant instlalation (slap the
> magnetic mount on the roof) and operation with excellent results
> compared to anything else you will be able to manage.

A magnet won't work here. It's an aluminum roof with wooden supports. But I don't have a problem with screwing a bracket to the peak and strapping it to the metal side.

> A second thing to check is: are all the
> metal roofing sheets electrically bonded together? A simple check with
> a VOM will tell the story. My trailer was a 1966 model with channeling
> slots at end end of each metal panel. Turned out that I didn't have to
> do anything to get them all electrically connected.

These are pretty much all connected together - they have a rolled seam at each joint, and are either crimped or spot-welded along the seam.

> I'm on a narrow lot here (house) which is about 50ft wide. With 2 SLV's
> mounted diagonally, I don't have enough room for a full stretch on the
> quarterwave radials on 30m. Sometimes I wish I was back in the
> trailer!

Be careful what you wish for, Ade, and thanks!

Dave

Date: Mon, 14 Jun 1999 08:12:45 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@lehigh.edu
Subject: [42664] Re: 4:1 Balun Question
Message-ID: <3764F1BD.1BB52B7F@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

High frequency performance can be improved by using shorter wires to make the windings. VHF performance is typically possible with tiny cores--Zack W1VT

Date: Mon, 14 Jun 1999 12:12:28 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [42665] Re: Interesting Design Shareware
Message-ID: <19990614121239.IETD444@webmail.worldnet.att.net>

>
> > The treated paper is flexible enough that I haven't had any problem
> feeding
> > it through a laser printer that does a 180 degree bend.
> >
> > Using it is just like using any of the water-release toner transfer
> > products. Others have posted the directions on the Web, so I won't repeat
> > them here.
> >
> > -----
> > Dave Hinerman - WD8CIV
> >
> >
>
> Sounds interesting what's the link to the URL with info?

Larry,

I can't reach the site right now, but a search engine turns
up

www.arrl.org/files/infoserv/techmisc/pcbhbwr.txt

As a possibility. Try your favorite search engine for the
term "toner transfer" and "printed circuits.)

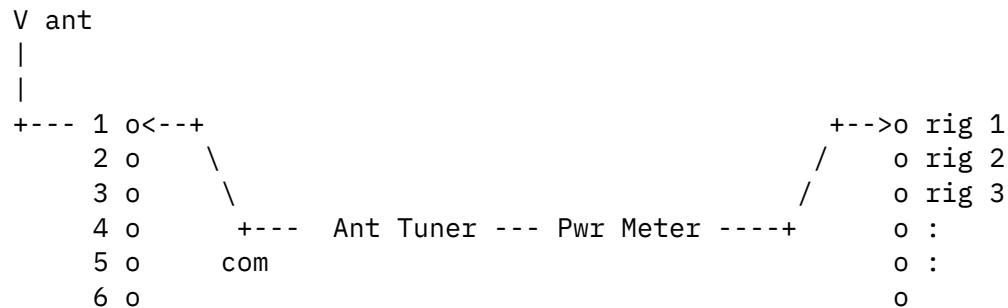
Dave

Date: Mon, 14 Jun 1999 06:17:26 -0600
From: "Rod Cercone" <rlc@frii.com>
To: <kfglynn@prodigy.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42666] Re: Ant Switches: Daiwa, Alpha Delta or MFJ?
Message-ID: <000501beb65f\$df6466c0\$3a8611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Kevin, et.al.

I have the MFJ 1700B, It switches 6 ant to 6 rigs. I bought it for the large
number of rigs it could handle, I probably never use all the ant. inputs.

The other thing I like is that the common pole of each SW is connected via coax, so I can have a watt meter & tuner always in series with the ant/rig. Schematic:



The switches are ceramic or plastic wafer can't recall at the moment, SW is still packed from recent move, and the wiring is solid, insulated bus wire. not coax. So, there is stray RF in the switch case, not bad & sometimes useful. I sometimes dump RF from rig A in to a dummy load at low power, then rig B, C, D... can RX it. Useful when tuning up a new kit. The unswitched ports are taken to GND.

HMMMMMMMMMMMMMMMM... Maybe I put my, new yet to be constructed VE3DNL marker generator on of the ant inputs.

Hope this helps.

72/3 Rod, NØRC
da di dah

----- Original Message -----

From: Kevin F. Glynn <kfglynn@prodigy.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, June 14, 1999 4:16 AM
Subject: Ant Switches: Daiwa, Alpha Delta or MFJ?

> Hi gang,
>
> I'd like to buy a antenna switch, and am looking at the Alpha Delta, Daiwa
> and the MFJ models. If you'd used any of these models please let me know
> what you think and thanks for the help.
>
> 72 Kevin N2TO
> Brooklyn, NYC
> kfglynn@prodigy.net

>

Date: Mon, 14 Jun 1999 08:49:21 -0400
From: Wayne A Smith <k8ff@juno.com>
To: qrp-1@lehigh.edu
Subject: [42667] Goodyear Hamfest
Message-ID: <19990614.084923.6678.0.k8ff@juno.com>

Yesterday was the Goodyear ARC hamfest at Wingfoot Lake Park near Akron, Ohio. After setting up in the flea market, I decided to set up the NC20 and Hamstick on the tailgate of the pickup. Wow, it drew a crowd!! I was surprised to how many local hams knew about the rig and about NORCAL and QRP. There are lots of potential QRPers out there but reluctant to give it a try.

My "KNOW CW" hat also drew some attention. The flea market demonstration idea introduces a new concept to many people while helping to pass the time in the HOT SUN!!

Incidentally, I found a really nice flameproof key with cord at a great price to add to my collection.

Best regards to all, es 72 de Wayne K8FF

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Date: Mon, 14 Jun 1999 07:31:14 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Chuck Adams K5FO <adams@ticnet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42668] Re: HamCom Day 2 - Saturday
Message-ID: <Pine.LNX.3.95.990614072322.14707A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 13 Jun 1999, Chuck Adams K5FO wrote:

> Gang,

>

> Day 2 started with the QRP Forum.
>
> The Houston Hounds, winners of the 1998-1999 Foxhunt,
> were the winners of a trophy donated to the cause
> and I apologize that I didn't take a note as to who
> donated the prize. Will they please step forward and
> take a bow. It is greatly appreciated.

...Morning Chuck...the 40 mtr Fox Hunt Team trophy was donated to the cause by QRP-Canada...I had the idea when I ran the Team competition and Ken La Rose, VE3ELA, volunteered to make the trophy and he certainly did a fine job of it...the idea is for this year's winners to pass it on to next year's winning team, etc...each year's winners have their names & calls engraved on the trophy...72 - Bruce (VE5RC+VE5QRP)

Date: Mon, 14 Jun 1999 06:34:58 -0700 (PDT)
From: Philip Karras <ke3fl@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [42669] MPEG Audio?
Message-ID: <19990614133458.14130.rocketmail@web116.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Does anyone know where I could download different types of audio files? I think we're trying to test an MPEG player, but there might be different requirements later.

Also, if you have a "free" MPEG audio file & can send to to me via: ke3fl@yahoo.com I'd appreciate it.

Please do not send responses to the group as this is not really QRP (unless we only use a 5W audio amp? :)

Thanks again for any help.
Also, if anyone wants a listing of what I collect, send a request to me via the above e-mail address & I'll get it out to you.

72 & 73 de KE3FL
Phil

===

Phil K
home: ke3fl@juno.com
Alt: ke3fl@yahoo.com
Reflectors: ke3fl@arrl.net and ke3fl@qsl.net
Web: <http://www.qsl.net/ke3fl>

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 14 Jun 1999 06:47:58 -0700 (PDT)
From: Philip Karras <ke3fl@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [42670] MPEG AUDIO, again.
Message-ID: <19990614134758.14526.rocketmail@web122.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Sorry about this, it seems we don't have the
decompression software working yet so we need a
decompressed MPEG audio file. Anyone have any ideas
on how/where to get one? (No wonder they asked me to
locate one hi)

72 & 73 de KE3FL
ke3fl@yahoo.com
Phil

===
Phil K
home: ke3fl@juno.com
Alt: ke3fl@yahoo.com
Reflectors: ke3fl@arrl.net and ke3fl@qsl.net
Web: <http://www.qsl.net/ke3fl>

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 14 Jun 1999 08:58:57 -0500
From: sholisky@ktca.org (Scott Holisky)
To: qrp-l@lehigh.edu
Subject: [42671] Re:AL7FS thought on CW speed and courtesy.
Message-ID: <fc.000f548a0046f1aa000f548a0046f1aa.46f467@ktca.org>
MIME-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

I turned the radio off. Maybe I will check later.

--

Hey Jim - Down here we call this " Minnesota Nice ". You bet, check later, maybe Tuesday too :).

Like the TV, I'm glad the radio has a dial. (Did I say that?) har har....

Many times I prefer to qrs a bit so the other station can copy me solid (even before I tell em' I'm qrp) and snag the qso. What really frosts my cake is the short "oh my, he's qrp...73's om" operators. Like they don't like my bug spray...

Then there's the many, who just keep on chattin' and marvel at how "your sig is still s9" ... variety counts x2.

73's Scott NOAR
Nr. St.Paul, MN

Date: Mon, 14 Jun 1999 09:10:04 -0500
From: Jeff Gold <JGold@tntech.edu>
To: QRP-L #98 <qrp-l@lehigh.edu>
Subject: [42672] WM-20
Message-ID: <004a01beb66f\$99c67da0\$4d0b9595@cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

Anyone build and operate the Small Wonder's WM-20 SSB kit? Looking for reactions, impressions.

thanks

72

Jeff, AC4HF

Date: Mon, 14 Jun 1999 09:13:12 -0500
From: Jeff Gold <JGold@tntech.edu>
To: QRP-L #98 <qrp-l@lehigh.edu>
Subject: [42673] SG2020
Message-ID: <005401beb670\$09b4f880\$4d0b9595@cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

All,

well now that the discussion on the SG2020 has resurfaced, I have to add a story. I turned on my computer and TNC this weekend for the first time in quite a while. Only found one digital signal.. on 17meters (and was first digital contact on that band). Turned out the guy was using a SG2020. He operates mainly CW/Digital. We talked for quite a while and he had no problem getting thru under bad conditions. His detailed comments pretty much agreed with QST's review. He didn't like the loud relays and bad adjacent signal rejection on CW, but in general, really liked the little rig and thought it was a great deal for the money. He would have to changeover ever now and then rapidly because he said the rig was getting too hot.

72

Jeff, AC4HF

Date: Mon, 14 Jun 1999 07:24:56 -0800
From: "Dan Hogan" <dhhogan@nav.cnchost.com>
To: qrp-l@Lehigh.EDU
Subject: [42674] Re: Ant Switches: Daiwa, Alpha Delta or MFJ?
Message-ID: <199906141421.KAA03663@repulse.cnchost.com>

Kevin:

I have used an Alpha Delta antenna switch for 4 years. Very happy, never had any trouble, excellent quality. Would by again.

Dan Hogan WA6PBY

West Covina, CA
QRP-L #558

Date: Mon, 14 Jun 1999 10:25:20 -0400
From: "Tracy" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.EDU>, <n2tpa@juno.com>
Subject: [42675] RE: 4:1 Balun Question
Message-ID: <007401beb671\$bb37ab60\$0e00000a@Tracy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

We've successfully built 4:1 units that have a flat response through 150 MHz with the 61 material cores. I believe the biggest deal is making your line as consistent as possible (perfectly spaced ...) and the selection of the proper core material. Try one with a lower initial permeability, and use FEWER windings.

Remember, the smaller your wire diameter, the more difficult it is to space them consistently. This spacing is what sets the characteristic impedance of the line, and is critical if you want efficient operation. It's that ohm's law thing ...

The number of turns has nothing to do with the transformation ratio of a balun (a transmission line transformer type) but has to do with your reactance and all. Fewer turns generally gives a higher frequency response.

Tracy N4LGH

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Bill B Lazure
Sent: Monday, June 14, 1999 3:32 AM
To: Low Power Amateur Radio Discussion
Subject: 4:1 Balun Question

Antenna Gurus,

I've been playing with an antenna for a few weeks that has approximately 13 ohms at the feedpoint. I built some 4:1 toroidal baluns to match these antennas to 50 ohm feedline.

At lower freqs, up to 20 meters, these work fine. As the frequency rises above that, they show higher and higher reactance; rising to the

point that at 10 meters, I can't get lower than a 2:1 SWR.

I assume that either the parallel reactance of the two windings, or the inductive reactance of the core is what's causing this. I simply can't figure out which and what to do about it.

Any ideas?

73,

Bill

W2EB

Syracuse, NY

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Date: Mon, 14 Jun 1999 15:27:31 +0000
From: gary.threlfall@littlewoods.co.uk
To: qrp-l@Lehigh.EDU
Subject: [42676] QRP SSB nets ?
Message-ID: <TFSHMIME@littlewoods.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi All,

Can anyone tell me the frequencies of any QRP nets on the phone sections of the bands, I would like to hear the transmitted audio of some of the commercial QRP sets, SGC, Elecraft, Ten-Tec to name a few=2E

Many thanks in advance,

Gary - G7TOK

Littlewoods Home Shopping Group Limited

Registered Office

Sir John Moores Building
100 Old Hall Street
Liverpool
L70 1DX

Registered in England No 421258

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Date: Mon, 14 Jun 1999 07:55:36 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42677] Going mobile!
Message-ID: <376509D8.597C@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang!

Leaving for Yellowstone this morning! Taking the NC20 and 706 and will be on all the qrp freq's. Hope to work some of you while were up there!

Going to be hard to leave QRP-L for a week!

72, Tom WB5QYT.."Have spud and bug will travel!"

Date: Mon, 14 Jun 1999 10:49:41 -0400
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [42678] Re: w1rfi
Message-ID: <37651685.7559@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Scott Howell wrote:

> got that guy tonight. Ay Ed, you didn't hear me well at 2:42 Z, but was
> calling you to say your a 559 into MD.
> don't think you heard me well. Was running 1 watt into the attic dipole. To
> much to ask for. I was running 5 earlier. Your doing well.

Hi, Scott. I copied you with some difficulty, but probably had about 75% copy. Between the QRN and the digital stuff on 7040 kHz, it was tough. But it was a QSO, so FB job for an indoor antenna, OM. Your QSL and certificate are on their way!

I am so happy to be able to put this rig back on the air. I am glad everybody is getting into the spirit of all this! :-)

73,
Ed Hare, W1RFI

Date: Mon, 14 Jun 1999 10:18:04 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [42679] Re: Antenna Recommndtns -- mobile home
Message-ID: <199906141501.LAA08112@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> mount an antenna on the car and run a cable inside. Just
> need to remember to disconnect it before heading in to work.
>
I'd use a push-on, quick connect connector, so if you do forget, it don't pull the rig out the window! If you happen to be in a rush one morning, or your brain is as foggy as mine that time of day, it's bound to happen sooner or later....:-)

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 14 Jun 1999 10:18:03 +0000

From: "Steven Weber" <kd1jv@moose.ncia.net>
To: rengelwb8uoj@juno.com
Cc: qrp-1@lehigh.edu
Subject: [42680] Re: Power supply
Message-ID: <199906141501.LAA08138@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> present dilemma. Does any one know where I can get a schematic for a
> cheap (emphasis on cheap) 12VDC 2 Amp power supply ????? The one I'm

Bob,

Your library should have a copy of a ARRL Handbook, which is always a
good place to start.

Instead of building a whole new supply, the one you currently have
would be a good starting point, maybe it just needs some minor repair
or a hefter filter cap, or theres a shorted transistor in the
regulator.

Bad AC hum on your signal could be a good reason for lack of repsonce
to your CQ's!

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 14 Jun 1999 11:12:25 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: <obvious@bestweb.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42681] RE: Cuddly CW!
Message-ID: <000001beb678\$4f2afa60\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ah yes, 741 Federal building, 648 Washington Street! Those were the days.
The elevator ride up included an honest-to-goodness operator who could put
your heart in your stomach. As a lad of 16, the waterfront loading docks and
longshoreman were something to be reckoned with out on the street. And the
cigar chewing FCC examiner was omnipotent, all-powerful, and to be feared!

These are just a few things I recollect about those days when exams were for real--and licenses hard won were carefully maintained.

Vy 73, AI2Q, Alex in Kennebunk, Maine

.-.-.

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
> Richard Brummer
> Sent: Sunday, June 13, 1999 9:14 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Cuddly CW!
>
>
> Reminds me of the Federal Building on Washington Street in downtown
> Manhattan, before they moved to West Houston Street.
>
> Sounds like it struck fear into the hearts of many -- not only radio
> amateurs !
>
> 73,
> Dick K2REB
>
>
>

Date: Mon, 14 Jun 1999 08:09:02 -0700 (PDT)
From: Theodore Wong <wong_th@eng.printronix.com>
To: qrp-1@lehigh.edu
Subject: [42682] 2N2/40 POPs and a Few Other Thoughts
Message-ID: <199906141509.IAA05216@taz.printronix.com>

Hello All,

Finally finished my first ever built-from-scratch rig. Had more fun than any kit I've ever put together, well at least 'til my K2 arrives. The receiver hears very well, at least to my subjective ears. Initially when I was checking out the receiver, the audio was a little low but then I realized that I had forgotten to send an "RX" signal to the AUD stage since the TX/RX stage was not working yet. I think Preston mentions that in his section in QRPP. One question on the receiver. Is it worth the effort to ground the crystal cases in the IF?

Now on to the transmitter stages. My crystal used in the TX L0 was not working. Either I fried it with my soldering or it came that way. I replaced it with one from Jim Kortge and the stage came to life. Still there was no output to the PA stage. After struggling with this for a few hours, I then realized that my POT4 produced maximum output when fully CCW. duh! Now I am able to get a healthy 2.5 watts out to the antenna. I noticed a very loud pop and sidetone when keying. To decrease the sidetone, I increased R31 to 1 Meg and it is still loud enough to wake the wife and kids. Is there another way to do this? Also to reduce the pop, I tried increasing C35 and C36 but this did not seem to work. Any suggestions? I thought of disabling the side tone completely and just using the artificial one from my TICK.

Other than the minor things mentioned above, I've got a very capable working rig that I actually built from some scraps of PC board and intelligently placed parts. Wow can it get any better? Now on to make that first contact. I think it would

be appropriate that the first contact be made with someone from this list. If we could swing a 2N2/40 to 2N2/40 QSO while wearing my 2N2/40 tee shirt, that would be way cool. I'll be on around 9:00 p.m. PDT around the usual QRP frequency.

Many thanks to all those involved with this project. I would not be surprised if this someday ends up in the ARRL Handbook.

Regards,

Tedd AB6CO

Date: Mon, 14 Jun 1999 11:40:03 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [42683] CALLING FREQS
Message-ID: <ecfc89e6.24967c53@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

AC6V is one of the most bookmarked sites for ham links. In viewing the QRP calling frequencies site I am not sure if these are correct. If not we may want to advise AC6V so corrections could be made:

See <http://www.ac6v.com/pagecall.html> Alan KB7MBI

Date: Mon, 14 Jun 1999 08:56:42 PDT
From: Neal Sacon <nsacon@hotmail.com>
To: QRP-L@lehigh.edu
Subject: [42684] Portland QRP Field Day
Message-ID: <19990614155642.54213.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The Portland (Oregon) Amateur Radio Club (W7LT) will be QRP for Field Day from Portland's Kelley Butte, adjacent to I-205. Walk-ins welcome; choice op-hours for set-up participants; set-up starts Friday. We're a competitive multi-multi entry, all bands CW & PHONE, plus VHF-UHF-Satellite & Novice/Tech. Typically excellent signal; contest ops of all skill levels participate.

Contact Neal KK7PA at 503.774.3842 (eves); 503.727.5294 (days); via kk7pa@arrl.net; or 146.84-, 147.040+, 146.94-. Field Day roundtable discussions Monday & Wednesday evening following PARC NETs at 7 pm now through FD on 146.84+.

Directions: I-205 Division Street Exit east; right on SE 103rd to top of hill. Look for commercial radio tower and radio maniacs.

Get Free Email and Do More On The Web. Visit <http://www.msn.com>

Date: Mon, 14 Jun 1999 11:57:10 EDT
From: PDouglas12@aol.com
To: qrp-l@lehigh.edu
Subject: [42685] 2N2 Completion Certificates
Message-ID: <ecfd1a3f.24968056@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

I am aware of at least three completed 2N2/40 rigs based on postings and private email to me. Thus far, only Jim Kortge and I hold certificates (#1-3) and no one has submitted the required proof of a picture of the guts of the finished rig and the call of the station worked in a first QSO. I know one member has done it, but he has not yet submitted the proof! Guys, the certificates have to be awarded in order of receipt of proof, and only in case of a TIE does that date of the QSO control. So, if you want a low

number, get your proof to me soonest. A 9 X 12 SASE is appreciated if you send me the picture via snail mail, but you may send the picture with an email and I will d/l an attached photo (not my favorite activity, by the way----viruses spread this way).

I have fancy certificate paper of something like 30-40 certificates. After they are used up I will print on plain paper, but I they will still be pretty attractive wallpaper for your shack.

72,

Preston WJ2V

Snail Mail to
Preston Douglas
216 Harborview North
Lawrence, NY 11559

Date: Sat, 12 Jun 1999 07:12:25 -0400
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [42686] Re Tuna Tin QSO
Message-ID: <37624099.1E5F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Late last Friday evening I was fooling around with my QRP+ on 40 meters trying to find some activity around 7040 KHz. The line noise and static crashes were just awful. Suddenly I made out a weak "CQ." The reception was intermittent but I did make out "W1RFI." The best I could give Ed was 329 (I got 449). What followed was my first QSO with a Tuna Tin! I was not aware of Ed's planned schedule to be on the band at that time. Is QRP fun, or what?

73 de Joe, K3CHP
Riverdale, MD

Date: Mon, 14 Jun 1999 11:46:08 -0400
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-1@Lehigh.EDU

Subject: [42687] QRP Fun On Six Meters
Message-ID: <376523C0.1478@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This last weekend I decided to see what I could do on six meters during the ARRL VHF QSO Party. The only VHF antenna that I have is a discone which I use with my scanner. I tried it with my PC-9000 but could not hear anybody nor get a single contact. In desperation I hooked up my HF yagi. This time some directivity was noticed and now I managed to squeeze some contacts running 5 watts. I did not detect any band openings during the whole weekend and the activity seemed to be very low; however, I did manage thirteen QSOs, one on CW and the rest on SSB. Best DX was K8PG in West Virginia. What did I learn? Get a six meter beam as soon as possible!

73 de Joe, K3CHP
Riverdale, MD

Date: Mon, 14 Jun 1999 11:15:47 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@Lehigh.EDU
Subject: [42688] FS: Red Hot NC20
Message-ID: <0015A48A.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

Gang,

Yikes! Got to HamCom and had a great time Saturday. Was really super meeting many who make this a great hobby.

I bought a Red Hot Norcal-20 at the show. Guys, this rig is a real work of art. Dave did a magnificent job!

Alas, I get home Saturday evening and I catch it from the wife. I'll spare you the details, but you know the "what do you need with another radio" comments, etc.

So, the unopened box is up. I paid \$130 at the show. Will sell for the same. I will pay the Priority Mail shipping to 48 conus.

Group, this is a great radio, packed wall-to-wall with features. I regret being unable to build it. Let me know if you're interested.

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Mon, 14 Jun 1999 09:35:35 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [42689] Still milliwatting
Message-ID: <19990614163535.11608.rocketmail@web701.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Now that its spring and time to work outside I havnt had much news to report on my mW WAS effort. A building project, backhoe work, and the garden took over. But I'm haveing fun with non ham stuff untill I can get back on the air more regularly.

My effort now is about the same as last month. But I have at least recieved some QSL cards. So I'm moveing in the right direction at least - Hi

I have 37 states worked and total power is under 1.5 watts.

This weekend I turned on the QRP+ and listened to 10/15M and very little doing. What sunspot peak?

I heard a s7 CQ'er on 14.040mHz and answered with 73mW, he came back with everything but the last letter of my call. After several tries I boosted to 150mW and he got me fine. My antenna is a wire half square at 25'.

It was more fun cuz Paul was on NA083, some island in Virginia! I already have VA, but it was cool anyway.

As the garden and yard work slow down the xyl and I will be out on Beaver lake as often as we can. Its near Fayetteville/Springdale, Ar.

Last summer I made nimerious contacts in my boat on HF QRP with Hamsticks. Now I have the Black Widdow for 20, 15, 10M which will be better when I setup on the many islands. I'm sure I can hang a low 40M dipole from a tree.

Maybe do some milliwatting from Goat, Shaddox, and Cedar Island.

I'm also going back to a limestone speck of an island called Camel's Head isl. No trees here! Its about 10x15' and sticks abt 15' out of the water when the lake is low. Just room for a Hamstick and a couple radials. Its fun to do that afew hours, and swim too.

More milliwatting news later, enjoy the spring and summer everyone! de Jim KJ5TF

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 14 Jun 1999 09:44:34 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <malman@world.std.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42690] Re: NON-QRP .. GPS info
Message-ID: <01ce01beb685\$31788480\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Joel --

Make sure you are comparing the same location formats. Locations are sometimes expressed in degrees/minutes/seconds, and sometimes as decimal degrees.

For example:

42 degrees 27 minutes 27 seconds North is the same as 42.457 degrees

North.

(42 + 27/60 + 27/3600)

Mike K1MG

Joel wrote:

>

>For my call (K1QM) QRZ lists my location as 42.457 (North) by
071.3730

>(West) ... At least the North and West is right (hi hi). I have
checked

>my location with a GPS 300 (that acquired 7 satellites) and it is no
where

>near the QRZ listing. My GPS says I am at: 42.2727 by 071.2314

Date: Mon, 14 Jun 1999 11:04:02 -0700

From: "Francis Callahan" <colcal@srv.net>

To: <ai2q@ispchannel.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [42691] Re: Cuddly CW!

Message-ID: <199906141702.LAA07983@srv.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I rember the FCC test in the Navy Reserve building in Burlington Vermont
scare the heck out of a new ham. Was so shook up when passed my general
almost upchucked after getting outside Just think of the fun??? dthe guys
taking the test form the VE's are missing out on haha 72 Cal KF7ET

> From: Alex Mendelsohn <ai2q@ispchannel.com>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

> Subject: RE: Cuddly CW!

> Date: Monday, June 14, 1999 8:12 AM

>

> Ah yes, 741 Federal building, 648 Washington Street! Those were the days.

> The elevator ride up included an honest-to-goodness operator who could
put

> your heart in your stomach. As a lad of 16, the waterfront loading docks
and

> longshoreman were something to be reckoned with out on the street. And

the
> cigar chewing FCC examiner was omnipotent, all-powerful, and to be
feared!
> These are just a few things I recollect about those days when exams were
for
> real--and licenses hard won were carefully maintained.
>
> Vy 73, AI2Q, Alex in Kennebunk, Maine
>
>
>
> .-.-.
>
>
>
> > -----Original Message-----
> > From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
Of
> > Richard Brummer
> > Sent: Sunday, June 13, 1999 9:14 PM
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: Cuddly CW!
> >
> >
> > Reminds me of the Federal Building on Washington Street in downtown
> > Manhattan, before they moved to West Houston Street.
> >
> > Sounds like it struck fear into the hearts of many -- not only radio
> > amateurs !
> >
> >
> > 73,
> > Dick K2REB
> >
> >
> >
>

Date: Mon, 14 Jun 1999 13:17:42 -0400
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-1@lehigh.edu
Subject: [42692] Re: CALLING FREQS
Message-ID: <37653936.647E@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

ARDUJENSKI@aol.com wrote:

> AC6V is one of the most bookmarked sites for ham links. In viewing the QRP
> calling frequencies site I am not sure if these are correct. If not we may
> want to advise AC6V so corrections could be made:

> See <http://www.ac6v.com/pagecall.html> Alan KB7MBI

I only know the 80,40,20,15 and 10 M CW calling freqs. :-)

But this all brings to mind that I wonder if we don't want to try to
change the 40 M calling frequency? I have been on 7040 kHz a lot the
past week or two, and every evening I am getting creamed by DX RTTY and
SSB. I notice that the DX RTTY calling frequency is also 7040 kHz.

With the band useage changing as more and more digital operating comes
into play, would it make sense to move the US QRP calling frequency to
7030 kHz, to coincide with the DX QRP calling frequency? If the QRP
community agrees, this would probably be best handled through QRP ARCI.

Comments?

73,
Ed Hare, W1RFI

Date: Mon, 14 Jun 1999 13:42:32 -0400
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-1'" <qrp-1@Lehigh.EDU>
Subject: [42693] Red Hot Radio in NY
Message-ID: <62C28BE46356D2118F5D0000F8CD13F101602FC3@SILVER.CORNING.COM>
Content-Return: allowed
Mime-Version: 1.0
Content-Type: text/plain

The postman handed me my Red Hot NC20 here in Corning today. What a cool color
choice. I can't figure out why my coworkers weren't that interested in it though.

73,
Preston, n0g1m, Southern NY state.

My words, not my employer's

Date: Mon, 14 Jun 1999 12:45:41 -0500

From: Jeff Davis <jeff@jehosophat.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [42694] Happy Dance!
Message-ID: <19990614124541.A1530@jehosophat.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Taking a vacation this week. Just setting in here listening to the radio enjoying a really nice breeze through the patio door when my wife walks in with a box and says, "were you expecting something?"

Real QRPers are **always** expecting something in the mail! :)

In the little Priority Mail package was my DSW from Small Wonder Labs!

Dancing, singing, joy and melting solder in the heartland!

--
72 de Jeff, N9AVG
QRP-L 1640
<http://jehosophat.com>

Date: Mon, 14 Jun 1999 10:47:56 -0700
From: Dave Barrett <DBarrett@creo.com>
To: "'n5ib@juno.com'" <n5ib@juno.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42695] RE: Laser QRP (might be dupe msg)
Message-ID: <CE0A40BFE0CDD111A2B800A0C99B83EB01313866@msgcreo2.creo.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hey Jim

Just as a point of interest, there are groups around the US that regularly do QRP stuff using laser pointer based gear, the distances attainable vary depending on weather etc, but distances of 20 miles are not unheard of. They use a cheapy photo diode at the RX end and put it in a blackened (interior) box with an infrared filter and one of those 10" (ish) fresnel lenses (sometimes pronounced "Freznel") to gather max light.

Good Luck

Dave (Laser Jock) Barrett

VE7PCC

Vancouver BC Canada.

-----Original Message-----

From: James R Giammanco [mailto:n5ib@juno.com]

Sent: Saturday, 12 June, 1999 6:47 PM
To: Low Power Amateur Radio Discussion
Subject: Laser QRP (might be dupe msg)

My apologies if this is a dupe, gang, I'm not sure my system didn't hiccup and fail to send it earlier.....

Some time back there was a post about modulating the power input to a laser pointer to produce AM lightwave communications. Just tried it out a few moments ago - crudely. Used a RS 1K - 8 ohm audio transformer to couple the headphone output of my TS-430 to the 3 V supply for the pointer. Put the low Z winding in series with the battery and connected the Hi Z to the radio (actually tried both ways, this worked best) For a detector used a plain old 2 x 4 cm photovoltaic cell connected to a RS audio amp/spkr. Worked OK across the room, about 30 ft, with plenty more seemingly possible.

Now, I want to do this as part of a summer workshop for science (physics, physical science, and astronomy) teachers we're doing here at LSU. What I've got seems OK, but does anyone on the network here have suggestions, references to look up, a URL to visit, etc?? It would be "cool" to transmit across campus with a laser pen... key factor here is "cheap" stuff that you could reasonably expect a teacher to scrounge up - as you know school science budgets are woeful.

I think this qualifies as QRP since the output is mW level, but of course the transmitting "antenna" gain (directivity) over an isotropic source (dbi) is phenomenal...

72

Jim N5IB

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 14 Jun 1999 14:05:41 EDT
From: ARDUJENSKI@aol.com
To: w1rfi@arrl.net, owner-qrp-1@lehigh.edu, qrp-1@lehigh.edu
Subject: [42696] Re: CALLING FREQS
Message-ID: <d3348b52.24969e75@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed,

I am relatively new to ham radio and not well steeped in the history and traditions of the hobby. But you do raise an interesting point. Especially with conflicts with FISTS and RTTY and many rigs no longer rockbound we may want to take this opportunity to take a hard look if a change in some or several frequencies could be of benefit. There is a lot of *territory* above 7060 not being utilized as well as between 3560-3700. I would propose to look and see if there are some direct benefits that could be derived from making such a change(s) and then test it for say 6-12 months before we draw any final conclusions. Alan KB7MBI

Date: Mon, 14 Jun 1999 14:12:42 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <ARDUJENSKI@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42697] RE: CALLING FREQS
Message-ID: <003201beb691\$7ed2f420\$0101010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

You might keep in mind portions those freqs are the traditional RTTY/etc. operating freqs. and that a lot of the state CW nets use the area between 3560 and 3600kHz.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of ARDUJENSKI@aol.com
Sent: Monday, June 14, 1999 2:06 PM
To: Low Power Amateur Radio Discussion
Subject: Re: CALLING FREQS

Ed,

I am relatively new to ham radio and not well steeped in the history and traditions of the hobby. But you do raise an interesting point. Especially with conflicts with FISTS and RTTY and many rigs no longer rockbound we may want to take this opportunity to take a hard look if a change in some or several frequencies could be of benefit. There is a lot of *territory* above

7060 not being utilized as well as between 3560-3700. I would propose to look and see if there are some direct benefits that could be derived from making such a change(s) and then test it for say 6-12 months before we draw any final conclusions. Alan KB7MBI

Date: Mon, 14 Jun 1999 14:16:27 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: DBarrett@creo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42698] Re: Laser QRP (might be dupe msg)
Message-ID: <376546FB.1429@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dave, and gang,

This is not ego touting! During WWII light beam communications systems were described in QST several times as part of the WERS (War Readiness Radio System). WERS was a low power communication system apparently intended to keep neighborhoods informed of what was going on. Anyway, my call sake, W6TOY, wrote up one system back about 1944 when she was living in the Pittsburgh area. Wonder what happened to her!

73

Date: Mon, 14 Jun 1999 14:25:19 -0400
From: notajock@juno.com
To: qrp-l@lehigh.edu
Subject: [42699] Questions
Message-ID: <19990614.142537.-100419.0.notajock@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings
Got a cou[le of questions.

1. What is the current value of CE 10B?

2. I tried to find the site for PSK31 given in the May QST. My computer does not like the URL. This may be because I was reading it from an audio version that I get from talking books. Is there a USA source? Maybe my problem is that I was trying to go to a Spanish web site.

Bob WA9LSD

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 14 Jun 1999 13:26:31 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [42700] Re: cuddley cw
Message-ID: <12900-37654957-21795@postoffice-112.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

In Dallas I believe the fcc were at 1114 Commerce , if I remember right. Will never forget walking out of there in the very early 70s after passing General and Advanced exams. I floated down the hall to the elevators, it was a great feeling !
Larry K1zw

Date: Mon, 14 Jun 1999 13:33:45 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: k3chp@erols.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42701] Re: QRP Fun On Six Meters
Message-ID: <3.0.2.32.19990614133345.0069d66c@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Joe,

This was a weekend on 6 mtrs where probably only the big guns hill-topping near major metropolatin areas did well. Not too many openings and those that happened were short and erratic. During real strong openings I've worked stations who were using dipoles, TV antennas, and a station with a wire connected to the antenna jack. I have a 4 el beam up 25 ft and have

worked about 200 stations from my new QTH last year and so far this year.
I do a lot of hunting and pouncing and tail-ending other stations.
Directivity helps mostly when the band is down. During openings, I point
in a general direction and often work stations off the corners and back of
the beam. I'm close to getting VUCC QRP on 6 and should be in good shape
after field day. CW is not the best mode on 6 so I mix it up depending on
activity. During contests you'll also get the best operators with the best
ears. The next couple of years should be real great for 6 as we go through
the present sunspot peak. Good luck and hope to hear you on the magic band.
72/73 Chuck - W5USJ - EM22cv - Rains County - Point, TX

Date: Mon, 14 Jun 1999 08:47:34 -1000
From: "Art Neilson, KH7PZ" <art@hawaii.rr.com>
To: qrp-l@lehigh.edu
Subject: [42702] OHR WM-2
Message-ID: <3.0.6.32.19990614084734.00886ec0@pop-server>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone out there have an OHR WM-2 and willing to do a resistance
check between 2 points on your meter for me to compare against?
Please respond via email art@hawaii.rr.com. Mahalo!!

 /--) /_/ It is a capital mistake to theorise before one has data.
 /--/ __ / Insensibly one begins to twist facts to suit theories,
/ (_/ (_<__ Instead of theories to suit facts.
 -- Sherlock Holmes, "A Scandal in Bohemia"

Arthur W. Neilson III, KH7PZ
Bank of Hawaii Tech Support
art@hawaii.rr.com

Date: Mon, 14 Jun 1999 15:08:53 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: qrp-l@lehigh.edu
Subject: [42703] HamCom
Message-ID: <3.0.1.32.19990614150853.006e7954@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Just a note to everyone about HamCom from a first time visitor.

If you have not been to one, by all means go! It was the most
fun hamfest that I have ever been to, not so much because of the

vendors and swap, but the gang down there is just too much fun, friendly, and all very kind.

It was great to bum around with Chuck Adams, K5F0, who took me and others to Jim Tanners place for goodies. Jim has a great "candy store" for electronic parts. If in Dallas, don't miss going there.

Great to see Brit friends Tony Fishpool, Graham Firth, and Rev. Dobbs. Those lads know how to party hardy too, plus, they brought some delectable brews with them.

The Saturday nite regen contest was great too; lots of interesting circuit ideas and neat construction approaches on many of the rigs.

A great big Michigan "Thanks" to the NorTex gang for putting on a super QRP forum and evening events and meeting everyone. I'll be back!

72 to all.....Jim, K8IQY

Date: Mon, 14 Jun 1999 13:24:41 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "Ed Hare, W1RFI" <w1rfi@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42704] Re: CALLING FREQS
Message-ID: <Pine.LNX.3.95.990614132309.8823B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 14 Jun 1999, Ed Hare, W1RFI wrote:

> But this all brings to mind that I wonder if we don't want to try to
> change the 40 M calling frequency? I have been on 7040 kHz a lot the
> past week or two, and every evening I am getting creamed by DX RTTY and
> SSB. I notice that the DX RTTY calling frequency is also 7040 kHz.
>
> With the band useage changing as more and more digital operating comes
> into play, would it make sense to move the US QRP calling frequency to
> 7030 kHz, to coincide with the DX QRP calling frequency? If the QRP
> community agrees, this would probably be best handled through QRP ARCI.
>
> Comments?

.....maybe move down a little ED TO 7.035?...72 - Bruce (ve5rc+ve5qrp)

>
> 73,
> Ed Hare, W1RFI
>

Date: Mon, 14 Jun 1999 14:33:31 -0500 (CDT)
From: "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>
To: qrp-l@lehigh.edu
Subject: [42705] Inexpensive Solar Setup
Message-ID: <Pine.LNX.4.04.9906141405320.4331-1000000@divis17.ped-gen.uiowa.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all.

Wanted to share what i think is a good find of both an inexpensive solar panel, and an inexpensive charge controller. Electronic Goldmine

<http://www.goldmine-elec.com>

has a nice solar panel for sale in their may flyer (link at the top of their homepage).

For \$29.95 you get a panel about 8.5"x8.5" that is encased in a plastic frame and protected by plastic (like the plastic was poured around the cells and hardened). The panel has wire leads leads (about 12") leading to some weird looking plug. I clipped that off and put on my own Molex connector (from RadioShack). The panel and frame seem sturdy enough to tolerate at least a little abuse.

I measured 20.5 volt open circuit voltage, and between clouds i measured 200 mA into a partially discharged 2.0 AmpHour gel cell (no controller). With a charge controller, and under cloudier (partially sunny) skies, i saw up to 150 mA charging into a battery that was at 12.0 volts no load voltage. My guess is that with a full, bright sun, I would get maybe up to 225-250 mA charge current to the battery. I had never ordered from Electronic Goldmine previously, but was happy with this order.

Now let me recommend the charge controller. QRP'er Mike Bryce, WB8VGE, proprietor of Sunlight Energy Systems

<http://www.seslogic.com>

sold me a really nice, small charge controller at Dayton called the Micro

M+. It is an improved version of the MicroM that he published in QST in 1996, and is still available from on web pages (BTW - there is a mod he will get to me for fixing a nighttime current consumption problem with the MicroM). I don't remember the exact price, but the M+ cost me about \$20 (+/- \$5), without a case. I mounted mine in a small Bud MiniBox (1.63" x 2.18" x 3.25") and added more of the Molex Connectors (which are also on my Gel Cells). I had previously purchased my home solar setup (32 watt panel and 4 Amp controller) from Mike last year, and have been very happy with the quality and mike's help.

So for about \$50 + connector\$, i have a nice portable solar setup, panel + charge controller. Should work real sweet with a 2-3 AmpHour Gel Cell for portable QRP work.

BTW - the controller uses a scheme where it charges till battery voltage hits an ADJUSTABLE (default = 14.3 v) cutoff voltage, then shuts off the current to the battery for 3 or 4 seconds. It then turns back on, and charges till the voltage again hits the cutoff. so a fully charged battery in bright sun gets charging pulses, every 3 or 4 seconds, while a partially discharged battery will get continuous charging. As the battery approaches full charge, it ends up getting some duty-cycle in between.

72/73,

--adam, ak0p

Adam B. Kanis, AK0P

adam-kanis@uiowa.edu QTH: Wellman, IA (Near Iowa City) EN41ck

--- ARRL:RSGB:QRP-ARCI:GQRP:QRP-L:NorCal:Iowa QRP:SEITS ---

** On the web at <http://genome33.ped-gen.uiowa.edu/hamradio> **

Date: Mon, 14 Jun 1999 12:53:10 -0700 (PDT)

From: Alan Adelman <aadelma@yahoo.com>

To: qrp-l@Lehigh.EDU

Subject: [42706] Re: Indoor antennas

Message-ID: <19990614195310.11243.rocketmail@web135.yahoomail.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

I've tried a few indoor antennas in my 3rd story apartment, but so far the best antenna I've used is the fire escape with an MFJ tuner and a 33 ft counterpoise. I consider anything outside of California to be DX with this antenna and a few watts!

-- Alan WB2ERJ, San Francisco

===

"The wierdness will get you"

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 14 Jun 1999 10:08:10 -1000
From: "Art Neilson, KH7PZ" <art@hawaii.rr.com>
To: qrp-l@lehigh.edu
Subject: [42707] Re: OHR WM-2
Message-ID: <3.0.6.32.19990614100810.0338d3c0@pop-server>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Never mind you guys, got a message on the answerphone from Dick Witzke KE8KL letting me know the resistance value I was seeing was perfectly OK and appropriate. Documentation stated explicitly I should see infinite ohms so I was worried that I'd let the smoke out of my meter if applied power. Looks like I built the meter just fine.

At 08:47 AM 6/14/99 -1000, you wrote:

> Anyone out there have an OHR WM-2 and willing to do a resistance
> check between 2 points on your meter for me to compare against?
> Please respond via email art@hawaii.rr.com. Mahalo!!

>
> /--) _/_ It is a capital mistake to theorise before one has data.
> /--/ _ _ / Insensibly one begins to twist facts to suit theories,
> / (_/ (_< _ Instead of theories to suit facts.
> -- Sherlock Holmes, "A Scandal in Bohemia"
> Arthur W. Neilson III, KH7PZ
> Bank of Hawaii Tech Support
> art@hawaii.rr.com
>
>

/--) _/_ It is a capital mistake to theorise before one has data.
/--/ _ _ / Insensibly one begins to twist facts to suit theories,
/ (_/ (_< _ Instead of theories to suit facts.
-- Sherlock Holmes, "A Scandal in Bohemia"

Arthur W. Neilson III, KH7PZ
Bank of Hawaii Tech Support
art@hawaii.rr.com

Date: Mon, 14 Jun 1999 13:09:51 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [42708] The "Calling Frequency" Problem
Message-ID: <3765618F.82255E70@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Friends,

Here's the bottom line. No matter where you move the "official" calling frequencies you will find someone else is already there.

--
=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Mon, 14 Jun 1999 16:08:45 EDT
From: GenoNR0NR@aol.com
To: QRP-L@lehigh.edu
Subject: [42709] SG-2020
Message-ID: <3de96663.2496bb4d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just returned from 3 days of Mountain camping with temps in the low 30's and 40's F. with the SG-2020. Must say the rig worked well, very stable, at the lower temps! Excellent reports, both SSB and CW.

73,

Geno NR0NR (nr Denver)
Ex: AL7GQ

Date: Mon, 14 Jun 1999 16:22:16 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: wong_th@eng.printronix.com
Cc: qrp-1@lehigh.edu
Subject: [42710] Re: 2N2/40 POPs and a Few Other Thoughts
Message-ID: <3.0.1.32.19990614162216.00eb6730@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 08:09 AM 6/14/99 -0700, Tedd AB6CO wrote:

>Hello All,

Hi Tedd....great to hear that you have your 2N2/40 working. I
can help with some of the problems.

>

-snip-

>

>Is it worth the effort to ground the crystal cases in the IF?

Yes, it should reduce signal blowby.

>

>-snip-

>To decrease the sidetone, I increased R31 to 1 Meg and it is still loud
enough

>to wake the wife and kids. Is there another way to do this?

There may be, but I couldn't figure out how before going to Dayton in '98
with the rig. If you don't want to keep it all 2N2222s, you can replace
Q9 with a FET, and it will probably get much better. The surrounding
caps would probably have to be changed too.

> Also to reduce the

>pop, I tried increasing C35 and C36 but this did not seem to work. Any
>suggestions?

The schematic in QRPP is missing two capacitors, C67 and C68. C67 is
a 4.7uF which connects to the Rx line on the T/R switch end, at the
junction of R59 and R60. The other end of C67 is grounded. C67's
positive lead goes to the junction of the two resistors.

C68 is a .01uF bypass that should be soldered across the key jack of
on the "key line". This keeps out r.f., and also helps with the pop
you are finding. Most of the pop should go away with the addition
of the 4.7uF, but all of it won't. One of the downsides of using all
2N2222 transistors.

>I thought of disabling the side tone completely and just using the
>artificial one from my TICK.

That could be done also, but the rig won't work correctly with a
hand key plugged into the key jack. But maybe that isn't a problem.

>
-snip-
>
>Now on to make that first contact. I think it would
>be appropriate that the first contact be made with someone from this list.
If we
>could swing a 2N2/40 to 2N2/40 QSO while wearing my 2N2/40 tee shirt, that
would
>be way cool. I'll be on around 9:00 p.m. PDT around the usual QRP frequency.
Make it 8:00 PDT and I'll stay up and look for you around 7.040 with my
2N2/40.

Hope we can QSO tonight.....Jim, K8IQY

Date: Mon, 14 Jun 1999 16:37:39 -0400 (EDT)
From: James Skalski <jskalski@localnet.com>
To: Bill Jones <kd7s@psnw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42711] Re: The "Calling Frequency" Problem
Message-ID:
<Pine.LNX.4.04.9906141633560.2246-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I see the problem this way....
When you look for a frequency to transmit on ; you look for a clear or
quiet frequency. It just so happens that qrp stations will put out weak
signals and the frequency seems relatively empty. If we move to 7030 the
same thing will happen there.

I propose that a 20khz band segment be set aside for experimental low
power purposes with a maximum output of one watt. Any support for this
idea?

73,

Jim n2go

Date: Mon, 14 Jun 1999 15:38:03 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>

To: PDouglas12@aol.com
Cc: qrp-1@lehigh.edu
Subject: [42712] Re: 2N2 Completion Certificates
Message-ID: <E10tcP8-0006PQ-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

You must see one of these certificates to really appreciate the work that Preston has put into this. It is greatly appreciated. Preston has limited the number of these on the heavy paper. I'm sure that it is not cheap as is the case with quality materials in this day and age.

I have not started on my 2N22/40 at this time. I have to do the regen for Tuthill (this due to someone asking me to bring it to Flagstaff AZ for next months big to-do) first and then I'll start on it. In fact, if someone else on the list hasn't started theirs and wants a friendly race (with film on the web) I'd be happy to take the challenge. Not that I'm competitive but it will give me a sense of urgency and make it highly visible work in progress.

And I wanna be one of the first 30 to get the soon to be famous certificates.

Again, you can't have a head start on me, i.e. you can have the parts but haven't melted solder yet. Just post to the group and you are on the mark and go....

dit dit es tn timer to Preston

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Mon, 14 Jun 1999 16:50:59 EDT
From: K2UD@aol.com
To: qrp-1@lehigh.edu
Subject: [42713] Re: QRP Fun On Six Meters

Message-ID: <bf9fca55.2496c533@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A yagi would not have helped much this weekend. There were no openings here in NY, and the same lament could be heard from all the locals. I worked a bunch of stations, but only heard the occasional short (about 1/2 second) burst from distant stations. Meteors?

Was a fun contest, but all prayers for openings went unheeded.

72

Howard Kraus, K2UD

Date: Mon, 14 Jun 1999 20:52:59 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [42714] Dan's 2N2/40 kit
Message-ID: <19990614205301.ZZAV17001@webmail.worldnet.att.net>

Folks,

Does anyone know if the PC board with the 2N2/40 partial kit from Dan's Small Parts is an etched board, or is it just a hunk of copper clad for Manhattan construction?

Dave, WD8CIV

Date: Mon, 14 Jun 1999 14:04:15 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [42715] HamCom Report from KI6DS, LONG
Message-ID: <01beb6a9\$764defe0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Whew!! What a fantastic weekend. There is no better way to have fun than to spend time with your friends. My trip started by going to Albuquerque

where I was met by Paul Harden and Jim "Dr. Megacycle" Duffey. The three of us along with Jim's lovely wife Ginger and daughter Susan went to Quarters for some of the best barbecue that I have ever eaten. Delightful. Then it was off to the airport. We arrived in Dallas at about 12:00 AM and was picked up by Glen Reid and Ed Manuel. Our flight was delayed but these two delightful gentlemen waited for us and greeted us with a smile. Thanks again guys for the ride to the hotel.

There was a slight snafu at the hotel, but we got a room and it worked out. The Courtyard by Marriott is an excellent hotel. The rooms were very nice, the breakfast was outstanding, and the service was excellent. I was very impressed with how friendly everyone was. Thanks to George Pierce for finding such a gem of a place for us. Great job George.

We got up early after 3 hours of sleep, had breakfast and started to meet the QRPers. Wow what a list, George Dobbs, Graham Firth, Tony Fishpool from England, Jerry Parker, Jim Cates, Gody Siason, Mike Gipe, Dave Fifield, Norm Melick, Veda Henson and Vern Wright from California, Jim Stafford from Georgia, Jim Kortge from Michigan, Keith, Jay Bromley, Kelsey Mikel and the rest of the Ft. Smith gang, Dub Thornton, Burl, Clif and the rest of the baja Kansas crowd were there, Jim Duffey and Paul Harden from New Mexico, Martin Jue, Richard Stubbs and Steve Pan from Mississippi and these were the ones that did some traveling. Then the Texans. Oh my gosh, I think every qrper in Texas was there. We had 120 to 150 at the QRP talks, and I would estimate that there were at least 175 qrpers in attendance. An outstanding job.

Thanks to Joe and Barbara Spencer and to Doc Drake for the behind the scenes work that made my stay very enjoyable. One thing about it, when you go to Texas, you will find friendly people who are very courteous and smile a lot.

The first talk of the day was by George Dobbs, and it was classic Dobbs. Wonderful speaker, and he is an inspiration to everyone. George is truly a "Crown Jewel". It is wonderful to see him, and he is one of my Qrp idols.

I was the second speaker and spoke on which QRP Transceiver kit to buy. I handed out a 12 page handout with all of the specs from the various web pages of the QRP mainline transceiver kits. Next, I prefaced my remarks by saying that everyone of these kits was a good kit. I even bet that I could find a "champion" for each one of them in the audience. But, I then broke the kits down by feature and price, and tried to do an apples to apples comparison with each kit having a basic kit, and then adding in a keyer, frequency display and precision tuning pot. Then I compared prices. (I used a TiCK keyer and a Blue Sky Engineering Frequency Display, and a Mouser 10 turn pot if the kit was missing one of the items and it was not offered as an option). I came up with these results.

There was a tie in first place for my recommendation. I came up with the

Red Hot Radio NC20 for \$135 complete and the Small Wonder Labs DSW at \$125 complete as my recommended kit. I believe that for backpacking and truly portable operation, the DSW is the best value. For a home station or portable use, I would go with the RHR NC20. The DSW has the DDS VFO, keyer and AFA, the RHR has the fantastic frontend and receiver, along with the TiCK keyer, AFA and Ten Turn Pot. Both cases are anodized aluminum out of .060 and are beautiful. These are my opinions, and worth what you have paid for them probably.

For Beginners, I recommended two more kits, the Pixie by HSC and the Fireball 40 by the NJ QRP Club. \$10 for each kit, and you get a radio. Lots of learning for \$10.

For the ultimate kit, I discussed the Sierra, the OHR 500 and the K2. My recommendation is the K2. It is a tremendous value for the buck. Check out the band coverage of all three, figure the cost per band, the versatility of the K2 vs. the other two, and you will see my reasoning. But again, the other two are excellent radios and kits.

As an entry level real radio kit, I compared the SST and the SWL+. I recommend the SWL+ for the following reasons: VFO coverage vs. VXO for the SST. Cost: SST \$85, SWL+ is \$55 and if you buy the Elmer 101 issue or have it, you can put a case and controls on it for \$5 easily. But the main reason is the availability of the Elmer 101 issue as a learning tool to help you build the SWL+. The work done by Glen Leinweber, Mike Mairiona, Dave Benson, Bill Jones, Gary Surrency, Chuck Adams and others is amazing. Again, the SST is not a bad radio. I have 3 of them. But when I compare them, I think the SWL+ is a better buy.

There is going to be another major player in the commercial kit business, and that is MFJ. Martin Jue let me borrow the new Rick Littlefield QRP Cub transceiver that is going to come out soon. It will sell for \$99 complete with case and controls. It is going to be on 80, 40, 30, 20, and 15 meters!! The rig is a partial kit, as all of the surface mount components are premounted and tested. The buider adds the frequency determining components (through hole), the controls and the puts in in the case. Neat rig.

Martin also showed me a DC transceiver that is coming out. It is a "marriage" of the current Vectronics transmitter and receiver kits. Nice small kit, and it looks like about \$59 for the kit complete with case and connectors.

What does all of this mean? Hey times have never been better for the builder. When I asked the room how many had built a kit, the arms raised looked like a forest. I then asked how many had not built a kit. I counted 4 hands raised!! That is very, very gratifying to see. George Dobbs commented to me that he is amazed at the growth of building in the

"colonies" both in volume and skill. That is a high compliment indeed group.

Chuck Adams did his CW test and it was won by a 16 year old!! Wonderful. Paul Harden was unfortunate in that he did not have enough time to finish his presentation. He will be giving it at Ft. Tuthill and at Pacificon. I offered the 9 AM slot to Paul and he said, "I'd prefer the 10, as I probably won't be out of bed by then," grin. Anyway, it will get presented.

There was a nice surprise in store for the NorCal 20 team. Jim Stafford, the Vice President of QRP ARCI presented a beautiful certificate to the members of the NC20 team in appreciation for what they have done for QRP from QRP ARCI. It was a pleasure to accept on behalf of the team, and I want to publicly thank Jim and ARCI for their kind recognition of our efforts.

At the end of my talk, I gave away the NorCal 20 donated by NorCal and also a special anodized case donated by Doug Hauff of San Luis Machine. The preregistered names went into a hat supplied by Stuart Rohre. Guess whose name I pulled out? Stuart Rohre. Congratulations Stuart, and we want to see pictures soon!!

Gee this is getting long, but it takes a long time to tell the fun we had.

The flea market was very good. I never got outside, as I was amazed at the activity around the QRP booth. There were always at least 30 to 40 people around the booth, at all times. The people around us weren't too happy, as we spilled over and tended to occupy the area in front of their booth, and it was hard to get through the aisle at times. Dave Fifield did a tremendous business with his Red Hot Radio kits. They were lined to see them and he made lots of sales. Jay Bromley had the Ft. Smith VE3DNL Marker Generator kits, NorCal had resistor kits, crystals and Back Issues for 1998 (I took 12 and they sold out in about 15 minutes. Should have had another 2 or 3 dozen, but they are just too heavy!!). Jerry Parker had NorCal T Shirts, and Paul Harden had Data Books, Elmer 101 issues and 2N2/40 issues. QRP ARCI had lots of items, the G-QRP Stand was full of kits and back issues as usual, and all did a stellar business. It was great to meet and visit with everyone. Dave Fifield even got a picture of a greeting that I got from one of the Ft. Smith crew that he says will soon be on the RHR page. I'll let him announce that.

A group of 25 of us went out to dinner at Papadeaux's (sp???) and I treated my friends from England to Fried Crawdad. (This was only fair, as they treated me to Blood Pudding when I was over there.) They seemed to like the Crawdad, but I don't think they realize yet what they ate.

Then it was back to the hotel for the QRP open house. Wow! Talk about noise, The room was a snap to find. Just follow your ears. A whole room

full of Fun!! Jay Bromley over in the corner doing his K2 demo using an antenna supplied by Vern Wright, W6MMA. Jay was gonna do it outside in the sun, but he opted for the airconditioned environment of the hotel. They made several contacts. The regen building contests was one of the best ever. Bill Jones won with his beautiful entry. Bill is there any way that you can post a picture to your web site? Mike Gipe was a very close second with his entry, and the unique thing was that he made the front panel and the knobs on his lathe and milling machine!! Beautiful work. Then there was a tie for 3rd between Paul Harden the designer of the Desert Ratt, and Graham Firth from England. Graham did well with his Altoid cased design, and Paul's Desert Ratt is a museum piece. Other entries included Dave White, a resistorless entry from California (dont' have the call), Vern Wright, and Tony Fishpool.

Yes, yes I know you all want to know about the side contest between Tony, Graham and myself. I had to concede, because my entry would not work. The ugly version I have at home works gang busters, the beautiful lined up entry at hamcom, NO GO. So congratulations to the two gentlemen from the mother country. I will be traveling to England next year to take them both out to dinner. But I refuse to give up my Eccles cakes and Wensleydale cheese. IT would be much too high a price to pay.

Thanks to the prize donators. Bill Jones received a SWL DDS transceiver donated by ARCI and Dave Benson, Mike Gipe chose a Red Hot Radio 40 from Dave Fifield at RHR (to be delivered later). Paul Harden chose a Blue Sky Engineering Digital Clock Counter kit donated by Mike Gipe, and Graham received an MFJ 8100K regen receiver kit from Martin Jue at MFJ. That is a fitting prize, as now he will have a "proper regen", grin!!

We then had some fun. Everyone in the room was given a ticket and we drew for prizes donated by the following:

NorCal, ARCI, FT. Smith QRP Club, St. Louis QRP Club, NJ QRP Club, AZ ScQRPions, NorTex QRP, George Lee, Barbara Spencer, Paul Harden, and Jerry Parker.

The grand prize was a St. Louis Vertical kit with a Vern Wright coil donated by Vern Wright, W6MMA. Everyone waited tensely and the winner was announced as "Brad Bradfield". One lucky guy, as he loves to experiment with antennas, and verticals are his favorite. He had a big smile on his face.

The highlight of the weekend for me though, was the opportunity to present Paul Harden with his QRP Hall of Fame Plaque. I was able to introduce a man who is a dear friend of mine, and a tremendous contributor to QRP with his Elmering, his design work, his artwork, his testing and troubleshooting help, his writing for his own books and QRP journals, his humor, his postings, his teaching at forums, the propagation information, the explanations of the solar information, his leadership, it goes on and on and on. Paul is a national treasure, and I am so pleased to be able to have

presented his plaque to him. NorCal is very proud of Paul, and we are delighted to see him inducted. That his induction was earned is an understatement. Paul Harden is one of the Great ones in QRP.

Finally the evening wore down and it was time to go to bed. Up early the next morning, goodbyes to dear friends all around, and an exciting ride to the airport. Thanks Curt, I will never forget your kind efforts on our behalf. Curt had never met us before, but he graciously gave Paul, Jim and I a ride to Love Field which is a L000000000NG way to walk!! Thanks.

The plane ride home was a blast. The stewardess asked Paul if he would mind being in the emergency row. He then asked her if she wanted the door opened now, and several other times during the flight. Jim Duffey kept both of us in tears laughing at his stories of ham radio and life. Jim will be one of the speakers at Pacificon this fall, and he will be a treat.

I must close with a comment. Jim Kortge did a wonderful thing when he did his work with the 2N2/40. He gave the rest of us the courage and the confidence to try building from scratch. I saw examples of that this weekend, and it was fun showing my "Manhattan" style regen to Jim. He was very gentle and kind to me, and I appreciated his words of encouragement and praise. I saw Jim's rigs again this weekend, both the 2N22/40 rigs and the new 2N22/6 transverter, and they are works of art. Jim, QRPers everywhere owe you a huge thankyou for your efforts. And, guess who did the artwork for the article that Jim wrote? Paul Harden, thanks to you too!!

Hamcom was a success this year because of the people. They are what makes people come to these events. QRPers are very special. The expressions of friendship and sharing are what Ham Radio is about. I would encourage each and everyone of you to attend a QRP event near you. Go to Ft. Smith, Atlanticon, Dayton, HamCom, Ft. Tuthill, Pacificon, Iowa QRP, Knightlights, North Georgia, New England, Northwest, Colorado QRP Club, Eastern Pa QRP, St. Louis QRP, BC QRP, Canada QRP, Long Island QRP, NorTex QRP, NorCal QRP, SoCal QRP, AZ ScQRPions etc. events. Meet the people in person. Smile and say hello, that is all it takes to start a wonderful time.

Thank you to all who said hello and it was a pleasure meeting each and everyone of you. I loved it. 72, Doug, KI6DS

Date: Mon, 14 Jun 1999 20:58:06 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [42716] Oops
Message-ID: <19990614205825.BITM17213@webmail.worldnet.att.net>

Folks,

Please disregard the question about Dan's 2N2/40 kit. I guess it doesn't have a board.

We now return you to your regular intelligent conversations...

Dave, WD8CIV

Date: Mon, 14 Jun 1999 14:14:19 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [42717] Doug Hendricks taking Sabbatical
Message-ID: <01beb6aa\$ddc4a460\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am following George Dobb's lead and will be taking a much needed rest and vacation for the next few weeks. I will be traveling with my wife to Connetticutt where we will spend several weeks near New Milford. We will return via Ft. Tuthill, and will be back in Dos Palos on Aug. 1st or so. Please hold all questions until then. Thank you for your support. Nothing is wrong, I am just stopping to smell the flowers. Chuck will explain that if you don't understand.

The plan for QRPp to get back on schedule is this:

Spring QRPp will ship before the 1st of July.
I will get the copy for the Summer issue to Paul by Aug. 10th, and he will hopefully have it printed and mailed by Sept. 15th. We will then do everything in our power to get the fall issue out sometime in November, and then be back on schedule with the Winter issue to ship by the first week of January. Thanks to all of you for your patience and understanding of our endeavors to help with our hobby.

The remaining NorCal Cap kits will ship in August. We are waiting on back ordered parts. The toroids are coming next. (Don't order yet, we don't know the price!!)

We have a couple of kits coming this fall, both of them are transceivers, one CW, one SSB. Both are finished and ready to go design wise. Stay tuned. Don't you guys hate it when I tease you like this???

72, Doug, KI6DS

72, Doug, KI6DS

Date: Mon, 14 Jun 1999 15:20:39 -0600 (MDT)
From: James P Rybak <jrybak@mesastate.edu>
To: qrp-1@lehigh.edu
Subject: [42718] Reprint of Winter 1998 QRPP??
Message-ID: <Pine.OSF.4.10.9906141517040.20111-100000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Does anyone know if NorCal is thinking about having the Winter 1998 issue of QRPP reprinted with spiral binding, etc like they did with an earlier issue. The Winter 1998 issue with the 2N2/40 is excellent and is truly a "reference" volume.

Jim Rybak W0KSD

Date: Mon, 14 Jun 1999 17:28:58 EDT
From: KB9OCE@aol.com
To: diabetic@lehigh.edu, qrp-1@lehigh.edu, DrGoMaB@aol.com, GeorgeWillis@home.com, Mishale120@aol.com, kwbrandt72@ccnmail.com (Keith Brandt), MrRon@csranet.com, Gypsycaf@aol.com, PatTruax@jorsm.com, N3SEI@ezaccess.net (Jerry Truax), DBar@netnitco.net (Debbie Barniville), lshay@phsystems.com,
Subject: [42719] An Observation on Nature.....
Message-ID: <3a866a33.2496ce1a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Last night while watching the fireflies flying about my yard I got curious as to what they were doing. A little research revealed that scientists believe that this is a mating behavior. The female flies about in the air blinking her light. The male flashes his in approval.

Further investigation with a flashlight and a magnifying glass revealed the

male, being the couchpotato as is often the case, sitting on the ground in some kinda mini-lawn chair, a sub-mini tv remote control in one little hand and a "Bud-Lite" in the other hand. When he flashed his signal to the female, she brought him another cold one! We live in such a fascinating world don't we? More to follow, right now I have to go get a life!

:o)

Mike

Date: Mon, 14 Jun 1999 17:37:29 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "[Ten Tec] - Reflector" <tentec@contesting.com>
Subject: [42720] WTB: Ten Tec VFO Model 242
Message-ID: <00b901beb6ae\$1b419480\$2a735acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

looking for a good working model 242 vfo for the Ten Tec Triton Series.
Please email direct with any info
Thanks
Tim
NZ8J

Date: Mon, 14 Jun 1999 17:39:26 -0400
From: "Paul Norman Craig, Jr." <n3ysi@easy-pages.com>
To: "'kfglynn@prodigy.net'" <kfglynn@prodigy.net>
Cc: "'qrp-1'" <qrp-1@lehigh.EDU>
Subject: [42721] RE: Ant Switches: Daiwa, Alpha Delta or MFJ?
Message-ID: <01BEB690.3FDDD100@default>

Kevin,

I prefer the B & W switches you find at hamfests for ten bucks. Most are in fine condx and whatever loss there may be can't be heard on the receiving end anyway. Good luck on your purchase.

72 de n3ysi
Paul in Quakertown, PA

From: Kevin F. Glynn[SMTP:kfglynn@prodigy.net]
Sent: Monday, June 14, 1999 6:16 AM
To: Low Power Amateur Radio Discussion
Subject: Ant Switches: Daiwa, Alpha Delta or MFJ?

Hi gang,

I'd like to buy a antenna switch, and am looking at the Alpha Delta, Daiwa and the MFJ models. If you'd used any of these models please let me know what you think and thanks for the help.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Mon, 14 Jun 1999 16:25:04 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [42722] DAFFY or WWW.QRPL.COM [long]
Message-ID: <E10td8b-0005JT-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

For a period of time now there has been a large cloud overhead for the group. It has been caused by the lack of some activity on the air for this group with the completion of the Foxhunt season for 1998-1999. So in the spirit of friendly competition and to get as many people as I can away from the keyboards and on the air I offer the following activity in the same spirit of TMPS from days past (Thirty Meter Propagation Study).

WWW.QRPL.COM or DAFFY

WARC WAS and WAC QRP-L Constant Operating and Monitoring (WWW...) or Doc Adams Furry Fox Yearly summer withdrawal program (DAFFY) with super all purpose snake oil and operators standing by....

Time: 0001UTC June 15, 1999 until 0001UTC September 15, 1999
Bands: 30, 17, and 12 Meters only
Hours: 24 hrs per day
Power: QRP Only
Scoring: $WF = (MP * NQ) / (TT + AS + NS + NC + NR + NB)$

MP = Maximum Power used for ANY QSO on a WARC band during time period
June 15 until September 15.

NQ = Total number of contacts on all three bands

TT = Total time for all the QSOs (Qs)

AS = Average code speed (sum of speed used for each Q/number of Qs)

NS = Maximum number of states on a single band

NC = Maximum number of countries on a single band (non-US)

NR = Number of unique QRP-L numbers obtained on the WARC bands during
this time period

NB = Number of WARC bands worked during the activity period

The purpose is to maximize the operating time, increase your code speed,
work all states on a single band, get close to DXCC, and work a bunch
of this group on all the WARC bands. Lowest score wins bragging rights.
Everybody starts with a score of 1,000,000 and your job is to lower this
score as much as possible.

Here are two examples.

Say you work only one station with 5W at 15wpm for 2 minutes and this
is a non-QRP-L member and a US station, then

$$WF = (5 * 1) / (2 + 15 + 1 + 1) = 0.2632$$

And say I work 256 stations at an average 25wpm for 1,436 minutes total
and 43 states and 10 countries on 17M and 87 QRP-L numbers, then

$$WF = (0.95 * 256) / (1436 + 25 + 43 + 10 + 87 + 3) = 0.1516 \text{ (if I did the math right)}$$

and if during this time period I fired up a linear to work a rare
rock in the South Pacific at 500 watts (I don't own a linear gang)
my score would now be 75.8, so another by product of the scoring is
to try to keep people at the lowest power possible.....

Some of the goals are:

- o Get people away from the terminals this summer
- o Move to the higher bands
- o 24hr propagation study of three bands
- o Maybe some people will pick up some rare states
- o Increase code speeds, which will naturally follow

- from longer operation times
- o Promote more lengthy QSOs to learn interesting things about your fellow members and the human race
 - o ...

Do not call any special CQ, please. Either regular CQ or CQ QRP will be enough. Nothing assigned or to be used otherwise. We know who you are from the list. :-)

I have thought about this and I know about the expense of postage and QSLs, so for this period let's run an experiment. This will help you get certificates from QRP ARCI Awards programs, ARRL, and others.

I will keep a web page record of the scores. After Tuesday I will have my score up and you can see what you need to report to me on a one line update.

I will run a QSL bureau for this activity (buro). You send me a #10 (business) envelope SASE with your address on it and you call only in the return address portion. Say \$0.55 postage for US and we'll work out something for DX. When we get enough cards for you, I'll mail it out and email you that it is coming.

And everyone will save up a group of cards to send in to me at one time, thus saving significant postage. About \$30 for a hundred Qs is my estimate.

I don't know what to do about multiple envelopes if you wanna go that route and send me more than one. I don't want to wind up with empty envelopes... I gave up stamp collecting a long time ago and you don't want me to mail back an empty envelope, do you???????????? I'll do the buro up to 15 days after the close of the activity. If this works out OK and I can handle the workload I'll do the same thing for the foxhunt in October....

On the web page I will keep a list of calls with envelopes and the number of current cards in same. I'll let you know or you can let me know when it is mailed, etc. This will reduce the expense of QSL cards. I'll follow a format similar to the FISTS QSL Bureau on the web page. Mods as we learn and progress.... I'll have the calls with cards on file and envelopes and calls that have cards but I do not have an envelope for. This will be a barometer and check for how this is working.

Now I know that there are some QRPers that never QSL for whatever reason. If you are one of those, do not enter this activity. Please. It causes hard feelings like you would not believe. I QSL

100% and sometimes I get behind but I do QSL. It is an old tradition in ham radio to confirm bragging rights....

No postings to QRP-L of the form "K5FO will be monitoring and operating on 30M from 2200-2330UTC tonight". Or "I need DE, RI, and AK on 12M. Anyone that can help?" Hopefully interest will peak up as people see how well others are doing. Now I will not monitor or police this and it is not critical anyway. I expect late in August postings of the form:

K5FO SCORE States=47 (TX, KS, and FL missing) and then they will get email setting up a schedule. No problem, just don't start out doing this, please..... It is more fun to get a state unscheduled than the other way around. IMHO. Like working KL7 first on 17 meters. :-)

Be sure to put DAFFY in the subject line for all postings on this activity so that the filter police can put in another topic that they don't want to read about.

If you don't want to keep score that is OK too but do get on and exchange information with others. They will appreciate it and later you might change your mind.

OK, build that WARC band rig and get going. Sorry for the short notice but that puts the pressure on you.

The URL will be <http://www.qsl.net/k5fo/daffy.htm> starting sometime tomorrow a.m. after the first QSO is logged and tallied.....

dit dit es gl

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Tue, 15 Jun 1999 08:08:11 +1000
From: "Ian C. Purdie" <purdic@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42723] Happy Dance!
Message-ID: <37657D4B.8DE96CAE@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff Davis wrote:

> when my wife walks
> in with a box and says, "were you expecting something?"
>
> Real QRPers are *always* expecting something in the mail! :)
>
> Don't you just ****LOVE**** that?..
>
73's

Ian

Date: Mon, 14 Jun 1999 14:01:49 -0500
From: "Bryan Turner" <turnerw@email.uah.edu>
To: qrp-1@Lehigh.EDU
Subject: [42724] Six Meter QRP
Message-ID: <199906142227.RAA20746@email.uah.edu>

It only takes a modest setup to have a lot of fun on 6 meters.

I use a Ten Tec transverter (20 meters to 6 meters) with a whopping 8 Watts output. If you have a 20 meter QRP rig you already have what you need to drive the transverter. You can add one of these transverters to you setup for not much more than a complete single band transceiver kit.

My antenna is equally modest. I use a dipole made from two mobile whips on a pole just above the highest point on the roof. I was using a wire dipole tacked to an outside wall with fair results; I initially tried the dipole indoors but picked up too much noise.

With my station I'm only an S unit or two (maybe three) below most stations on the band, which is not significant during a good opening.

The biggest key to success on six is to turn the rig on regularly. I need to get back into the habit of turning on the station everyday when I get in from work and checking lowband VHF TV.

73 Bryan W8LN

End of QRP-L Digest 1488
